



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 174896

TO: Nita M Minnifield
Location: rem/3C01/3C18
Art Unit: 1645
Tuesday, November 29, 2005

Case Serial Number: 10/774602

From: Mary Jane Ruhl
Location: Biotech-Chem Library
Remsen 1-A-62
Phone: 571-272-2524

maryjane.ruhl@uspto.gov

Search Notes

Examiner Minnifield,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl
Technical Information Specialist
STIC
Remsen 1-A-62
Ext. 22524

*Reviewed
12/05
MM*

This page is not for sale

STIC-Biotech/ChemLib

171890

mg

From: Minnifield, Nita
Sent: Thursday, November 17, 2005 11:48 AM
To: STIC-Biotech/ChemLib
Subject: interference search request

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(STIC)

10/774602

STIC

Please do an interference sequence search on SEQ ID
NO:11-14 of this application.

Please provide a paper copy of all results.

Thanks,
Minnifield
71976
Art Unit 1645
Office REM-3C01
Mailbox REM-3C18
571-272-0860

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

The Egg Mark (order)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:59 ; Search time 2.71074 Seconds
(without alignments)
17.088 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MLSHLYVSKDKENISKEND.....VLDEKEEAEETEEELSEK 41

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 8323 segs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New.*

- 1: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pdb.*
- 2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pdb.*
- 3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pdb.*
- 4: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pdb.*
- 5: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pdb.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pdb.*
- 7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pdb.*
- 8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pdb.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	31.9	642	1	US-10-131-826A-370
2	62	30.4	349	1	US-10-131-826A-424
3	61	29.9	389	7	US-11-074-176-324
4	61	29.9	406	7	US-11-074-176-324
5	58	28.4	770	1	US-10-982-545-15
6	58	28.4	770	1	US-10-789-273-38
7	57	27.9	631	1	US-10-131-826A-16
8	56	27.5	314	1	US-10-689-742-116
9	55	27.0	227	1	US-10-510-386-50
10	55	27.0	605	1	US-10-131-826A-160
11	54	26.5	303	1	US-10-467-962B-16
12	54	26.5	303	1	US-10-467-962B-45
13	53.5	26.2	431	7	US-11-074-176-132
14	53.5	26.2	1618	1	US-10-984-645-2
15	52.5	25.7	140	1	US-10-689-742-8
16	52	25.5	543	1	US-10-689-742-78
17	52	25.5	692	7	US-11-038-284-33
18	52	25.5	873	7	US-11-038-284-35
19	52	25.5	889	7	US-11-038-284-15
20	52	25.5	912	7	US-11-077-550-116
21	51.5	25.2	648	1	US-10-501-039-6
22	51	25.0	120	1	US-10-689-742-190
23	51	25.0	317	7	US-11-082-389-28
24	51	25.0	472	1	US-10-689-742-68
25	50.5	24.8	400	1	US-10-689-742-74

Sequence 296, App
Sequence 5, Appli
Sequence 164, App
Sequence 158, App
Sequence 33, Appl
Sequence 31, App
Sequence 73, Appl
Sequence 2, Appli
Sequence 18, Appl
Sequence 75, Appl
Sequence 502, App
Sequence 404, App
Sequence 42, Appl
Sequence 210, App
Sequence 12, Appl
Sequence 8, Appli
Sequence 42, Appl
Sequence 136, App
Sequence 94, Appl

ALIGNMENTS

RESULT 1

US-10-131-826A-370
; Sequence 370, Application US/10131826A
; Publication No. US20050245730A1

GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C128

; CURRENT APPLICATION NUMBER: US/10/131,826A

; CURRENT FILING DATE: 2002-04-24

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-06-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 370
 ; LENGTH: 642
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-131-826A-370

Query Match 31.9%; Score 65; DB 1; Length 642;
 Best Local Similarity 45.0%; Pred. No. 0.28;
 Matches 18; Conservative 5; Mismatches 13; Indels 4; Gaps 1;

QY 2 LSHLYV----SSKDKENISKNDVLDKEKEAEETEEEEE 37
 DB 600 LKHQLVDIEGNLFQDISKGRGLGKEKEEEEEE 639

RESULT 2
 US-10-131-826A-424
 ; Sequence 424, Application US/10131826A
 ; Publication No. US20050245730A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C128
 ; CURRENT APPLICATION NUMBER: US/10/131,826A
 ; CURRENT FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/049911
 ; PRIOR FILING DATE: 1997-06-18
 ; PRIOR APPLICATION NUMBER: 60/056974
 ; PRIOR FILING DATE: 1997-08-26
 ; PRIOR APPLICATION NUMBER: 60/059113
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059115
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059117
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059122
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059184
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059352
 ; PRIOR FILING DATE: 1997-09-19
 ; PRIOR APPLICATION NUMBER: 60/059588
 ; PRIOR FILING DATE: 1997-09-19
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 424
 ; LENGTH: 349
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-131-826A-424

Query Match 30.4%; Score 62; DB 1; Length 349;
 Best Local Similarity 34.4%; Pred. No. 0.29;

QY 364 FYDEKSTDSVSKEDTDSSEADVSTADVTTEKSED 402
 DB 6 YVSSDKENISKE----NDDVLDKEKEAEETEEEEE 40

RESULT 3
 US-11-074-176-324
 ; Sequence 324, Application US/110741176
 ; Publication No. US20050250135A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Klaenhammer, Todd R.
 ; APPLICANT: Russell, William M.
 ; APPLICANT: Altermann, Eric
 ; APPLICANT: McAuliffe, Olivia
 ; APPLICANT: Peril, Andrea Azcarate
 ; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
 ; FILE REFERENCE: 5051-694
 ; CURRENT APPLICATION NUMBER: US/11/074,176
 ; CURRENT FILING DATE: 2005-03-07
 ; PRIOR APPLICATION NUMBER: 60/551,161
 ; PRIOR FILING DATE: 2004-03-08
 ; NUMBER OF SEQ ID NOS: 381
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 324
 ; LENGTH: 389
 ; TYPE: PRT
 ; ORGANISM: Lactobacillus acidophilus
 US-11-074-176-324

Query Match 29.9%; Score 61; DB 7; Length 389;
 Best Local Similarity 33.3%; Pred. No. 0.43;
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

QY 6 YVSSDKENISKE----NDDVLDKEKEAEETEEEEE 40
 DB 347 FYDEKSTDSVSKEDTDSSEADVSTADVTTEKSED 385

RESULT 4
 US-11-074-176-92
 ; Sequence 92, Application US/110741176
 ; Publication No. US20050250135A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Klaenhammer, Todd R.
 ; APPLICANT: Russell, William M.
 ; APPLICANT: Altermann, Eric
 ; APPLICANT: McAuliffe, Olivia
 ; APPLICANT: Peril, Andrea Azcarate
 ; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
 ; FILE REFERENCE: 5051-694
 ; CURRENT APPLICATION NUMBER: US/11/074,176
 ; CURRENT FILING DATE: 2005-03-07
 ; PRIOR APPLICATION NUMBER: 60/551,161
 ; PRIOR FILING DATE: 2004-03-08
 ; NUMBER OF SEQ ID NOS: 381
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 92
 ; LENGTH: 406
 ; TYPE: PRT
 ; ORGANISM: Lactobacillus acidophilus
 US-11-074-176-92

Query Match 29.9%; Score 61; DB 7; Length 406;
 Best Local Similarity 33.3%; Pred. No. 0.46;
 Matches 13; Conservative 11; Mismatches 11; Indels 4; Gaps 1;

QY 6 YVSSDKENISKE----NDDVLDKEKEAEETEEEEE 40
 DB 364 FYDEKSTDSVSKEDTDSSEADVSTADVTTEKSED 402

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RESULT 5
US-10-982-545-15
; Sequence 15, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
; APPLICANT: Podust, Vladimir
; APPLICANT: Ciplergen Biosystems, Inc.
; TITLE OF INVENTION: Biomarkers for Alzheimer's Disease
; FILE REFERENCE: 016866-011550US
; CURRENT APPLICATION NUMBER: US/10/982,545
; CURRENT FILING DATE: 2004-11-06
; PRIOR FILING DATE: 2003-11-07 US 60/518,360
; PRIOR APPLICATION NUMBER: US 60/526,753
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/546,423
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/547,250
; PRIOR FILING DATE: 2004-02-23
; PRIOR APPLICATION NUMBER: US 60/558,896
; PRIOR FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: US 60/572,617
; PRIOR FILING DATE: 2004-05-18
; PRIOR APPLICATION NUMBER: US 60/586,503
; PRIOR FILING DATE: 2004-07-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Amyloid beta A4 precursor (APP, ABPP), isoform a, protease
; OTHER INFORMATION: nexin II (PN-II), cerebral vascular amyloid peptide (CVAP),
; OTHER INFORMATION: amyloid-beta protein, beta-amyloid peptide, A4 amyloid protein,
; OTHER INFORMATION: Alzheimer's disease amyloid protein
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)..(17)
; OTHER INFORMATION: signal peptide
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(40)
; OTHER INFORMATION: biomarker peptide 4320 Da (IMAC-N1), A-beta 1-40
; OTHER INFORMATION: peptide fragment of Amyloid beta A4 precursor
; FEATURE:
; LOCATION: (18)..(687)
; OTHER INFORMATION: soluble APP-alpha
; NAME/KEY: PEPTIDE
; LOCATION: (18)..(671)
; OTHER INFORMATION: soluble APP-beta
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(770)
; OTHER INFORMATION: C99
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(713)
; OTHER INFORMATION: beta-amyloid protein 42
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (672)..(711)
; OTHER INFORMATION: biomarker peptide 4330 Da, fragment of Amyloid
; OTHER INFORMATION: beta A4 precursor, beta-amyloid protein 40
; FEATURE:
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; NAME/KEY: PEPTIDE
; LOCATION: (688)..(770)
; OTHER INFORMATION: C83
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (688)..(713)
; OTHER INFORMATION: P3(42)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (688)..(711)
; OTHER INFORMATION: P3(40)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (712)..(770)
; OTHER INFORMATION: gamma-CTF(59)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (714)..(770)
; OTHER INFORMATION: gamma-CTF(57)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (721)..(770)
; OTHER INFORMATION: gamma-CTF(50)
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (740)..(770)
; OTHER INFORMATION: C31
; US-10-982-545-15
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Query Match 28.4%; Score 58; DB 1; Length 770;
Best Local Similarity 46.7%; Pred. No. 2.3;
Matches 14; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

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QY 10 KDKENISKENDVLDKEEEAEETEEEEE 39
DB 238 EEEADDDDEDDGDEVEEEAEPEYEATE 267
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RESULT 6
US-10-789-273-38
; Sequence 38, Application US/10789273
; Publication No. US20050249725A1
; GENERAL INFORMATION:
; APPLICANT: Basi, Gurig
; APPLICANT: Saldanha, Jose
; APPLICANT: Yednock, Ted
; TITLE OF INVENTION: HUMANIZED ANTIBODIES THAT RECOGNIZE
; TITLE OF INVENTION: BETA-AMYLOID PEPTIDE
; FILE REFERENCE: ELN-002CP
; CURRENT APPLICATION NUMBER: US/10/789,273
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US/10/388,389
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 10/010,942
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: US 60/251,892
; PRIOR FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-789-273-38
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Query Match 28.4%; Score 58; DB 1; Length 770;
Best Local Similarity 46.7%; Pred. No. 2.3;
Matches 14; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

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QY 10 KDKENISKENDVLDKEEEAEETEEEEE 39
DB 238 EEEADDDDEDDGDEVEEEAEPEYEATE 267
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RESULT 7
US-10-131-826A-16
; Sequence 16, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 16
; LENGTH: 691
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-16

Query Match          27.9%; Score 57; DB 1; Length 691;
Best Local Similarity 32.7%; Pred. No. 2.6;
Matches 16; Conservative 6; Mismatches 13; Indels 14; Gaps 1;

QY 3 SHLYVSSKDKENISKENDVDL-----DEKEEAETEEEEE 37
DB 477 SALRVLQKEQEQLEQKQELLYMKLEARLEKVADEKNEDATTDEE 525

RESULT 8
US-10-689-742-116
; Sequence 116, Application US/10689742
; Publication No. US20050250180A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M
; APPLICANT: Lavallic, Edward R

; APPLICANT: Racie, Lisa A
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000091.10
; CURRENT APPLICATION NUMBER: US/10/689,742
; CURRENT FILING DATE: 2003-10-22
; PRIOR APPLICATION NUMBER: 09/746,783
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 116
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (150)..(150)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (204)..(204)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-689-742-116

Query Match          27.5%; Score 56; DB 1; Length 314;
Best Local Similarity 44.4%; Pred. No. 1.3;
Matches 12; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 10 KDKENISKENDVDLDEKEEAETEEEEE 36
DB 30 KEVENEDEDDSDSKKEDEDEVIDEE 56

RESULT 9
US-10-510-386-50
; Sequence 50, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 227
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-386-50

Query Match          27.0%; Score 55; DB 1; Length 227;
Best Local Similarity 48.1%; Pred. No. 1.1;
Matches 13; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 8 SSKDKENISKENDVDLDEKEEAETEE 34
DB 97 SDKDKESASDEDKSTSDDPFEGAEVTE 123

RESULT 10
US-10-131-826A-160
; Sequence 160, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
```



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; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 16
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-16

Query Match      26.5%; Score 54; DB 1; Length 303;
Best Local Similarity 48.4%; Pred.No. 2;
Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

QY   9 SKDKENISKENDVDLDEKEEAE--TEEEE 37
     :|:|||||::|:||||| |||:
Db    130 NKEKANFIK--DRGVDSEEEEMVVEED 158

RESULT 12
US-10-467-962B-45
; Sequence 45, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 45
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-45

Query Match      26.5%; Score 54; DB 1; Length 303;
Best Local Similarity 48.4%; Pred.No. 2;
Matches 15; Conservative 5; Mismatches 7; Indels 4; Gaps 2;

QY   9 SKDKENISKENDVDLDEKEEAE--TEEEE 37
     :|:|||||::|:||||| |||:
Db    130 NKEKANFIK--DRGVDSEEEEMVVEED 158

RESULT 13
US-11-074-176-132
; Sequence 132, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Feril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-132
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 119.595 Seconds
(without alignments)
144.450 Million cell updates/sec

Title: US-10-774-602-14
Perfect score: 204
Sequence: 1 MSLHYVSSKDKENISKEND.....VLDEKEEAETEESELEEK 41

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 41829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.Main.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	204	100.0	41	4	US-10-294-770-14
2	204	100.0	41	4	US-10-774-602-14
3	204	100.0	41	5	US-10-691-672A-6
4	204	100.0	169	5	US-10-691-672A-2
5	204	100.0	188	5	US-10-691-672A-7
6	204	100.0	647	5	US-10-691-672A-3
7	101	49.5	28	4	US-10-294-770-13
8	101	49.5	28	4	US-10-774-602-13
9	97	47.5	28	4	US-10-294-770-4
10	97	47.5	28	4	US-10-238-741-4
11	97	47.5	28	4	US-10-774-602-4
12	97	47.5	64	4	US-10-294-770-1
13	97	47.5	64	4	US-10-238-741-1
14	97	47.5	64	4	US-10-774-602-1
15	87	42.6	1077	4	US-10-099-322-110
16	87	42.6	1077	4	US-10-044-564-110
17	87	42.6	1077	6	US-11-097-143-2952
18	83	40.7	89	5	US-10-450-763-34749
19	83	40.7	106	5	US-10-450-763-37314
20	83	40.7	197	4	US-10-101-487-51
21	83	40.7	197	4	US-10-101-487-114
22	83	40.7	197	5	US-10-939-988-51
23	83	40.7	197	5	US-10-939-988-114
24	83	40.7	379	5	US-10-450-763-56911
25	83	40.7	788	5	US-10-450-763-59588
26	82	40.2	57	5	US-10-450-763-41599
27	82	40.2	62	5	US-10-450-763-34329

28	82	40.2	295	5	US-10-450-763-41603	Sequence 41603, A
29	81	39.7	382	5	US-10-450-763-34710	Sequence 34710, A
30	80	39.2	65	5	US-10-450-763-37255	Sequence 37255, A
31	80	39.2	85	5	US-10-450-763-35710	Sequence 35710, A
32	80	39.2	93	5	US-10-450-763-33327	Sequence 33327, A
33	80	39.2	93	5	US-10-450-763-34747	Sequence 34747, A
34	80	39.2	93	5	US-10-450-763-56871	Sequence 56871, A
35	80	39.2	98	5	US-10-450-763-42094	Sequence 42094, A
36	80	39.2	109	5	US-10-450-763-37317	Sequence 37317, A
37	80	39.2	109	5	US-10-450-763-37317	Sequence 37317, A
38	80	39.2	116	4	US-10-450-763-41621	Sequence 41621, A
39	80	39.2	161	4	US-10-437-963-108765	Sequence 108765, A
40	80	39.2	226	5	US-10-450-763-45923	Sequence 45923, A
41	80	39.2	234	5	US-10-450-763-56909	Sequence 56909, A
42	80	39.2	1229	5	US-10-450-763-54725	Sequence 54725, A
43	79.5	39.0	182	4	US-10-425-115-227716	Sequence 227716, A
44	79	38.7	53	5	US-10-450-763-37260	Sequence 37260, A
45	79	38.7	62	5	US-10-450-763-41637	Sequence 41637, A

ALIGNMENTS

RESULT 1
US-10-294-770-14
; Sequence 14, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-14

Query Match 100.0%; Score 204; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLHYVSSKDKENISKENDVLDEKEEAETEESELEEK 41
DB 1 MSLHYVSSKDKENISKENDVLDEKEEAETEESELEEK 41

RESULT 2
US-10-774-602-14
; Sequence 14, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791US0DIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711

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; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-14

Query Match      100.0%; Score 204; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
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DB 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41

RESULT 3
US-10-691-672A-6
; Sequence 6, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(41)
; OTHER INFORMATION: MSP3d
US-10-691-672A-6

Query Match      100.0%; Score 204; DB 5; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
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DB 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41

RESULT 4
US-10-691-672A-2
; Sequence 2, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
US-10-691-672A-2

Query Match      100.0%; Score 204; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
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DB 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41

RESULT 5
US-10-691-672A-7
; Sequence 7, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 7
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(188)
; OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match      100.0%; Score 204; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 5.6e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 41
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DB 45 MSLHLYVSSKDKENISKENDVDLDEKEEAEETEEEEELEEK 85

RESULT 6
US-10-691-672A-3
; Sequence 3, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 3
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(647)
; OTHER INFORMATION: GLURP MSP3 fusion protein
US-10-691-672A-3

Query Match      100.0%; Score 204; DB 5; Length 647;
Best Local Similarity 100.0%; Pred. No. 2e-11;
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Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKENDVLDKEEERAEETEEELK 41
Db 505 MLSHLYVSSKDKENISKENDVLDKEEERAEETEEELK 545

RESULT 7

US-10-294-770-13
; Sequence 13, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide

US-10-294-770-13

Query Match 49.5%; Score 101; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.0052;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKEND 28

RESULT 8

US-10-774-602-13
; Sequence 13, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide

US-10-774-602-13

Query Match 49.5%; Score 101; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.0052;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKEND 28

RESULT 9

US-10-294-770-4
; Sequence 4, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Plasmodium falciparum

US-10-294-770-4

Query Match 47.5%; Score 97; DB 4; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.013;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKENE 28

RESULT 10

US-10-238-741-4
; Sequence 4, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024

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; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-238-741-4

Query Match 47.5%; Score 97; DB 4; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.013;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKENE 28

RESULT 11
US-10-774-602-4
; Sequence 4, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-4

Query Match 47.5%; Score 97; DB 4; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.013;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 9 MLSHLYVSSKDKENISKENE 28

RESULT 12
US-10-294-770-1
; Sequence 1, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
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; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-1

Query Match 47.5%; Score 97; DB 4; Length 64;
Best Local Similarity 95.0%; Pred. No. 0.03;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
Db 45 MLSHLYVSSKDKENISKENE 64

RESULT 13
US-10-238-741-1
; Sequence 1, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1
    Query Match      47.5%  Score 97;  DB 4;  Length 64;
    Best Local Similarity 95.0%  Pred. No. 0.03;
    Matches 19;  Conservative 1;  Mismatches 0;  Indels 0;  Gaps 0;

Qy  1  MLSHLYVSSKDKENISKEND 20
Db  45  MLSHLYVSSKDKENISKENE 64

RESULT 14
US-10-774-602-1
; Sequence 1, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-1

    Query Match      47.5%  Score 97;  DB 4;  Length 64;
    Best Local Similarity 95.0%  Pred. No. 0.03;
    Matches 19;  Conservative 1;  Mismatches 0;  Indels 0;  Gaps 0;

Qy  1  MLSHLYVSSKDKENISKEND 20
Db  45  MLSHLYVSSKDKENISKENE 64

RESULT 15
US-10-099-322-110
; Sequence 110, Application US/10099322
; Publication No. US20030215449A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240CIP
; CURRENT APPLICATION NUMBER: US/10/099,322
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
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; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 110
; LENGTH: 1077
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-099-322-110

    Query Match      42.6%  Score 87;  DB 4;  Length 1077;
    Best Local Similarity 55.9%  Pred. No. 4.9;
    Matches 19;  Conservative 3;  Mismatches 12;  Indels 0;  Gaps 0;

Qy  8  SSKDKENISKENDVDLDEKEEEAEETEEEEK 41
Db  970  ASKDDDESENDDEDEDEDESESESESEEEK 1003

Search completed: November 22, 2005, 20:54:01
Job time : 118.595 secs
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 25.7521 Seconds
(without alignments)
131.628 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MSLHLYVSSKDKENISKEND.....VLDEKEEBAETEEBLEEK 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	97	47.5	28	2	US-09-356-497-4
3	97	47.5	28	2	US-10-238-741-4
4	97	47.5	64	2	US-08-416-711-1
5	97	47.5	64	2	US-09-356-497-1
6	97	47.5	64	2	US-10-238-741-1
7	82	40.2	3135	1	US-08-323-170B-2
8	82	40.2	3135	2	US-08-954-441-2
9	79	38.7	714	1	US-08-990-114-3
10	79	38.7	714	2	US-09-241-333-3
11	78	38.2	2079	2	US-09-949-016-8301
12	77	37.7	740	1	US-08-257-073-5
13	76.5	37.5	1104	2	US-10-104-047-2506
14	76.5	37.5	1125	2	US-09-949-016-10194
15	76	37.3	905	1	US-08-574-959A-9
16	76	37.3	905	2	US-09-357-014-9
17	76	37.3	1135	1	US-08-574-959A-7
18	76	37.3	1135	2	US-09-357-014-7
19	76	37.3	2375	2	US-09-538-092-1131
20	75.5	37.0	1269	2	US-09-949-016-7349
21	75.5	37.0	1269	2	US-09-949-016-7350
22	75	36.8	87	2	US-09-248-796A-22150
23	75	36.8	214	2	US-09-214-881A-5
24	75	36.8	739	2	US-09-022-983-2
25	74.5	36.5	594	2	US-09-248-796A-15031
26	74	36.3	1016	2	US-09-949-016-11018
27	73.5	36.0	202	2	US-09-190-976B-19

28 73 35.8 111 2 US-09-886-319A-9 Sequence 9, Appli
29 73 35.8 111 2 US-09-886-319A-10 Sequence 10, Appli
30 73 35.8 168 2 US-10-000-489-88 Sequence 88, Appli
31 73 35.8 168 2 US-10-000-489-90 Sequence 90, Appli
32 73 35.8 683 2 US-10-104-047-2973 Sequence 2973, Ap
33 73 35.8 1525 2 US-09-418-710-69 Sequence 69, Appli
34 73 35.8 1525 2 US-09-839-479-68 Sequence 68, Appli
35 73 35.8 1912 2 US-09-495-714C-2 Sequence 2, Appli
36 73 35.8 1977 2 US-09-495-714C-4 Sequence 4, Appli
37 72 35.3 214 2 US-09-214-881A-3 Sequence 3, Appli
38 72 35.3 214 2 US-09-214-881A-4 Sequence 4, Appli
39 71.5 35.0 1312 2 US-09-345-882-29 Sequence 29, Appli
40 71.5 35.0 1312 2 US-10-071-179-29 Sequence 29, Appli
41 71 34.8 208 2 US-09-214-881A-11 Sequence 11, Appli
42 71 34.8 414 2 US-09-270-767-41485 Sequence 41485, A
43 71 34.8 568 2 US-09-949-016-10896 Sequence 10896, A
44 71 34.8 587 2 US-09-538-092-1130 Sequence 1130, Ap
45 71 34.8 1753 2 US-09-248-796A-19154 Sequence 19154, A

ALIGNMENTS

RESULT 1
US-08-416-711-4
; Sequence 4, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/13488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-4

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Query Match          47.5%; Score 97; DB 2; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.00024;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLSHLYVSSKDKENISKEND 20
DB      9 MLSHLYVSSKDKENISKENE 28

RESULT 2
US-09-356-497-4
; Sequence 4, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-356-497-4
Query Match          47.5%; Score 97; DB 2; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.00024;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLSHLYVSSKDKENISKEND 20
DB      9 MLSHLYVSSKDKENISKENE 28

RESULT 3
US-10-238-741-4
; Sequence 4, Application US/10238741
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; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-238-741-4
Query Match          47.5%; Score 97; DB 2; Length 28;
Best Local Similarity 95.0%; Pred. No. 0.00024;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MLSHLYVSSKDKENISKEND 20
DB      9 MLSHLYVSSKDKENISKENE 28

RESULT 4
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
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; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-356-497-1

Query Match 47.5%; Score 97; DB 2; Length 64;
Best Local Similarity 95.0%; Pred. No. 0.00059;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSHLYVSSKDKENISKEND 20
DB 45 MLSHLYVSSKDKENISKENE 64
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RESULT 6
US-10-238-741-1
; Sequence 1, Application US/10238741
; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.

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TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE


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; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-574-959A-9

Query Match      37.3%; Score 76; DB 1; Length 905;
Best Local Similarity 40.0%; Pred. No. 2.1;
Matches 16; Conservative 11; Mismatches 13; Indels 0; Gaps 0;

Qy      2 LSHLYVSSKDKENISKENDVDLDEKKEEAEETEEELEEK 41
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Db      644 LTVININSSDEEEEGEEEEEEEEEEEEEEEEEEEEE 683

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Search completed: November 22, 2005, 20:26:19
Job time : 25.7521 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:59 ; Search time 1.85124 Seconds
(without alignments)
17.088 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKKEENMLSHLYVSSKDKENISKEND 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 8323 seqs, 1129788 residues

Total number of hits satisfying chosen parameters: 8323

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	41	27.9	591	1	US-10-510-386-22
5	41	27.9	3056	7	US-11-109-156-20
6	39.5	26.9	350	1	US-10-131-826A-518
7	39.5	26.9	1119	1	US-10-131-826A-352
8	39.5	26.9	1167	1	US-10-942-072-13
9	39.5	26.9	1168	1	US-10-942-072-11
10	39	26.5	317	1	US-10-131-826A-524
11	39	26.5	1142	7	US-11-109-156-22
12	38	25.9	203	1	US-10-510-386-122
13	38	25.9	472	1	US-10-689-742-68
14	38	25.9	617	1	US-10-982-545-2
15	37.5	25.5	238	1	US-10-209-208-10
16	37.5	25.5	239	1	US-10-209-208-12
17	37.5	25.5	239	1	US-10-209-208-13
18	37.5	25.5	239	1	US-10-209-208-15
19	37	25.2	52	1	US-10-914-165-6
20	37	25.2	552	1	US-10-131-826A-332
21	36.5	24.8	44	1	US-10-632-349-8
22	36.5	24.8	250	1	US-10-131-826A-78
23	36	24.5	182	7	US-11-074-176-218
24	36	24.5	434	1	US-10-632-150-24
25	36	24.5	457	1	US-10-982-545-8

Sequence 13, Appl
Sequence 4, Appl
Sequence 116, App
Sequence 53, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 15, Appl
Sequence 16, Appl
Sequence 4, Appl
Sequence 21, Appl
Sequence 122, App
Sequence 124, App
Sequence 124, App
Sequence 354, App
Sequence 186, App
Sequence 186, App
Sequence 50, Appl
Sequence 502, App
Sequence 12, Appl
Sequence 78, Appl

ALIGNMENTS

RESULT 1

US-10-131-826A-180
; Sequence 180, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Sherney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.

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; NUMBER OF SEQ ID NOS: 550
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-180

Query Match      29.3%; Score 43; DB 1; Length 622;
Best Local Similarity 42.1%; Pred. No. 9.3;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      8 NMLSHLYVSSKDKENISKE 26
Db      276 NNKLHLILSHNDLENLNSD 294

RESULT 2
US-10-209-208-11
; Sequence 11, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Campbell, Robert
; APPLICANT: Geoffrey Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)
US-10-209-208-11

Query Match      28.2%; Score 41.5; DB 1; Length 239;
Best Local Similarity 38.1%; Pred. No. 4.7;
Matches 8; Conservative 7; Mismatches 5; Indels 1; Gaps 1;

QY      3 HKKEENMLSH-LYVSSKDKEN 22
Db      140 HKLEYNIYISHNVITADKQKN 160

RESULT 3
US-10-209-208-14
; Sequence 14, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Campbell, Robert
; APPLICANT: Geoffrey Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
; PRIOR FILING DATE: 2001-02-26

; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Enhanced Cyan Fluorescent Protein (ECFP)
US-10-209-208-14

Query Match      28.2%; Score 41.5; DB 1; Length 239;
Best Local Similarity 38.1%; Pred. No. 4.7;
Matches 8; Conservative 7; Mismatches 5; Indels 1; Gaps 1;

QY      3 HKKEENMLSH-LYVSSKDKEN 22
Db      140 HKLEYNIYISHNVITADKQKN 160

RESULT 4
US-10-510-386-22
; Sequence 22, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-386-22

Query Match      27.9%; Score 41; DB 1; Length 591;
Best Local Similarity 29.6%; Pred. No. 17;
Matches 8; Conservative 8; Mismatches 11; Indels 0; Gaps 0;

QY      2 EHKKEENMLSHLYVSSKDKENISKEND 28
Db      27 ESKQENEVIVVYKNTSGKETVIEQAD 53

RESULT 5
US-11-109-156-20
; Sequence 20, Application US/11109156
; Publication No. US20050250144A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-Ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-Ichi Funahashi
; APPLICANT: Chiaki Senoo
; APPLICANT: Jun-Ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/11/109,156
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[illegible]

Query Match	26.5%; Score 39; DB 7; Length 1142;
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Query Match 25.9%; Score 38; DB 1; Length 472;
Best Local Similarity 33.3%; Pred. No. 35;
Matches 8; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

QY 4 KKEENMLSHLYVSSKKKENISKEN 27
Db 176 KKDINDCLTETMETETKLEDEEKN 199

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RESULT 14
US-10-982-545-2
; Sequence 2, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
; APPLICANT: Podust, Vladimir
; APPLICANT: CIPHERGEN Biosystems, Inc.
; TITLE OF INVENTION: Biomarkers for Alzheimer's Disease
; FILE REFERENCE: 016866-011550US
; CURRENT APPLICATION NUMBER: US/10/982,545
; CURRENT FILING DATE: 2004-11-06
; PRIOR APPLICATION NUMBER: US 60/518,360
; PRIOR FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: US 60/526,753
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/546,423
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/547,250
; PRIOR FILING DATE: 2004-02-23
; PRIOR APPLICATION NUMBER: US 60/558,896
; PRIOR FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: US 60/572,617
; PRIOR FILING DATE: 2004-05-18
; PRIOR APPLICATION NUMBER: US 60/586,503
; PRIOR FILING DATE: 2004-07-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 617
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Secretogranin II (Chromogranin C, EM66,
; OTHER INFORMATION: secretoneurin) precursor
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (182)..(214)
; OTHER INFORMATION: biomarker peptide M3680.7
US-10-982-545-2
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```
Query Match      25.9%; Score 38; DB 1; Length 617;
Best Local Similarity 28.6%; Pred. No. 49;
Matches      8; Conservative 8; Mismatches 12; Indels 0; Gaps 0;
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QY      1 PEHKEENMLSHLYVSSKDKENISKEND 28
         | : | | | : | : | : | : | : |
DB      211 PNNQKRERMDDEQKLYTDDDDIYKANN 238
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RESULT 15
US-10-209-208-10
; Sequence 10, Application US/10209208
; Publication No. US20050244921A1
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; APPLICANT: Cambelli, Robert
; APPLICANT: Geoffrey, Baird
; TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
; TITLE OF INVENTION: FOR MAKING SAME
; FILE REFERENCE: UC083.1CP2CP2
; CURRENT APPLICATION NUMBER: US/10/209,208
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/121,258
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: 09/866,538
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/794,308
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; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 238
; TYPE: PRT
; ORGANISM: Aequorea victoria
US-10-209-208-10

Query Match      25.5%; Score 37.5; DB 1; Length 238;
Best Local Similarity 38.5%; Pred. No. 18;
Matches      10; Conservative 5; Mismatches 10; Indels 1; Gaps 1;

QY      3 HKKEENMLSH-LYVSSKDKENISKEN 27
         ||| ||| ||| : | : | : |
DB      139 HKLEYNYNSHNVYIMADKQKNGIKVN 164

Search completed: November 22, 2005, 20:54:15
Job time : 1.85124 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 80.9917 Seconds
(without alignments)
144.450 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKEENMLSHLYVSSKDKENISKEND 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : 1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	147	100.0	28	4	US-10-294-770-13
2	147	100.0	28	4	US-10-774-602-13
3	147	100.0	169	5	US-10-691-672A-2
4	147	100.0	188	5	US-10-691-672A-7
5	147	100.0	647	5	US-10-691-672A-3
6	143	97.3	28	4	US-10-294-770-4
7	143	97.3	28	4	US-10-238-741-4
8	143	97.3	28	4	US-10-774-602-4
9	143	97.3	64	4	US-10-294-770-1
10	143	97.3	64	4	US-10-238-741-1
11	143	97.3	64	4	US-10-774-602-1
12	101	68.7	41	4	US-10-294-770-14
13	101	68.7	41	4	US-10-774-602-14
14	101	68.7	41	5	US-10-691-672A-6
15	54	36.7	199	4	US-10-437-963-161536
16	53	36.1	92	4	US-10-437-963-109657
17	53	36.1	426	3	US-09-731-872-310
18	53	36.1	426	3	US-09-731-872-317
19	53	36.1	426	3	US-09-876-997-310
20	53	36.1	426	3	US-09-876-997-317
21	53	36.1	426	4	US-10-655-601-5
22	53	36.1	426	5	US-10-643-836-310
23	53	36.1	426	5	US-10-643-836-317
24	53	36.1	426	5	US-10-503-870A-6
25	53	36.1	481	3	US-09-731-872-415
26	53	36.1	481	3	US-09-876-997-415
27	53	36.1	481	5	US-10-643-836-415

28	53	36.1	1776	4	US-10-425-115-214781	Sequence 214781,
29	53	36.1	3242	6	US-11-097-143-3363	Sequence 3363, Ap
30	52.5	35.7	307	4	US-10-437-963-140346	Sequence 140346,
31	52.5	35.7	654	4	US-10-425-114-65105	Sequence 65105, A
32	52.5	35.7	1080	4	US-10-425-115-231230	Sequence 231230,
33	52	35.4	81	4	US-10-424-599-150366	Sequence 150366,
34	52	35.4	443	4	US-10-282-122A-48757	Sequence 48757, A
35	52	35.4	693	5	US-10-504-582-152	Sequence 152, App
36	52	35.4	749	4	US-10-369-493-21933	Sequence 21933, A
37	52	35.4	1358	4	US-10-425-115-214708	Sequence 214708,
38	51.5	35.0	1182	4	US-10-282-122A-53445	Sequence 53445, A
39	51	34.7	98	4	US-10-437-963-159924	Sequence 159924,
40	51	34.7	174	4	US-10-238-075-558	Sequence 558, App
41	51	34.7	204	4	US-10-767-701-31636	Sequence 31636, A
42	51	34.7	239	4	US-10-425-115-262882	Sequence 262882,
43	51	34.7	415	4	US-10-282-122A-70442	Sequence 70442, A
44	51	34.7	572	4	US-10-267-502-235	Sequence 235, App
45	51	34.7	572	4	US-10-287-226-661	Sequence 661, App

ALIGNMENTS

RESULT 1
US-10-294-770-13
; Sequence 13, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-13

Query Match 100.0%; Score 147; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.6e-12;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKEENMLSHLYVSSKDKENISKEND 28
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DB 1 PEHKEENMLSHLYVSSKDKENISKEND 28

RESULT 2
US-10-774-602-13
; Sequence 13, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711

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; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; TYPE: PRT
; LENGTH: 28
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-13

Query Match      100.0%; Score 147; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 2.6e-12; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0;

QY 1 PEKKKEENMLSHLYVSSKDKENISKEND 28
Db 1 PEKKKEENMLSHLYVSSKDKENISKEND 28

RESULT 3
US-10-691-672A-2
; Sequence 2, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 2
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(169)
; OTHER INFORMATION: MSP3 amino acids 212-380
US-10-691-672A-2

Query Match      100.0%; Score 147; DB 5; Length 169;
Best Local Similarity 100.0%; Pred. No. 1.9e-11; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0;

QY 1 PEKKKEENMLSHLYVSSKDKENISKEND 28
Db 19 PEKKKEENMLSHLYVSSKDKENISKEND 46

RESULT 4
US-10-691-672A-7
; Sequence 7, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 7
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(188)
; OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match      100.0%; Score 147; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 2.2e-11; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0;

QY 1 PEKKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEKKKEENMLSHLYVSSKDKENISKEND 64

RESULT 5
US-10-691-672A-3
; Sequence 3, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 3
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(647)
; OTHER INFORMATION: GLURP MSP3 fusion protein
US-10-691-672A-3

Query Match      100.0%; Score 147; DB 5; Length 647;
Best Local Similarity 100.0%; Pred. No. 8.6e-11; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0;

QY 1 PEKKKEENMLSHLYVSSKDKENISKEND 28
Db 497 PEKKKEENMLSHLYVSSKDKENISKEND 524

RESULT 6
US-10-294-770-4
; Sequence 4, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-4

Query Match      97.3%; Score 143; DB 4; Length 28;
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```

Best Local Similarity 96.4%; Pred. No. 8.9e-12;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
    |||||
Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28
    |||||

RESULT 7
US-10-238-741-4
; Sequence 4, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: DROUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-238-741-4

Query Match 97.3%; Score 143; DB 4; Length 28;
Best Local Similarity 96.4%; Pred. No. 8.9e-12;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
    |||||
Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28
    |||||

RESULT 8
US-10-774-602-4

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; Sequence 4, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-4

Query Match          97.3%; Score 143; DB 4; Length 28;
Best Local Similarity 96.4%; Pred. No. 8.9e-12;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKENMLSHLYVSSKDKENISKEND 28
Db 1 PEHKKENMLSHLYVSSKDKENISKENE 28

RESULT 9
US-10-294-770-1
; Sequence 1, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-1

Query Match          97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2.2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKENMLSHLYVSSKDKENISKENE 64

RESULT 10
US-10-238-741-1
; Sequence 1, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAO

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RESULT 8
US-10-774-602-4

/ OEUVRAY, CLAUDE
/ TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
/ PROTECTIVE ANTIBODIES
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
/ P. C.
/ STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
/ CITY: ARLINGTON
/ STATE: VA
/ COUNTRY: USA
/ ZIP: 22202
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/238,741
/ FILING DATE: 09-Nov-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/356,497
/ FILING DATE: 19-Jul-1999
/ APPLICATION NUMBER: US/08/416,711
/ FILING DATE: 08-AUG-1995
/ APPLICATION NUMBER: PCT/FR93/01024
/ FILING DATE: 18-OCT-1993
/ APPLICATION NUMBER: FR 92/12488
/ FILING DATE: 19-OCT-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: OBLON, NORMAN F.
/ REGISTRATION NUMBER: 24,618
/ REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-413-3000
/ TELEFAX: 703-413-2220
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 64 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2.2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64
RESULT 11
US-10-774-602-1
Sequence 1, Application US/10774602
Publication No. US20040141987A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 248791USODIV
CURRENT APPLICATION NUMBER: US/10/774,602
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 10/238,741
PRIOR FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin version 3.1

/ PRIOR FILING DATE: 1993-10-18
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO 1
/ LENGTH: 64
/ TYPE: PRT
/ ORGANISM: Plasmodium falciparum
US-10-774-602-1
Query Match 97.3%; Score 143; DB 4; Length 64;
Best Local Similarity 96.4%; Pred. No. 2.2e-11;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64
RESULT 12
US-10-294-770-14
Sequence 14, Application US/10294770
Publication No. US20030161840A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 230759USOCIP
CURRENT APPLICATION NUMBER: US/10/294,770
CURRENT FILING DATE: 2002-11-15
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin version 3.1
SEQ ID NO 14
LENGTH: 41
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Peptide
US-10-294-770-14
Query Match 68.7%; Score 101; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 9 MLSHLYVSSKDKENISKEND 28
Db 1 MLSHLYVSSKDKENISKEND 20
RESULT 13
US-10-774-602-14
Sequence 14, Application US/10774602
Publication No. US20040141987A1
GENERAL INFORMATION:
APPLICANT: DRUILHE, PIERRE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
FILE REFERENCE: 248791USODIV
CURRENT APPLICATION NUMBER: US/10/774,602
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 09/356,947
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: US 10/238,741
PRIOR FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: US 08/416,711
PRIOR FILING DATE: 1995-08-08
PRIOR APPLICATION NUMBER: PCT/FR93/01024
PRIOR FILING DATE: 1993-10-18
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin version 3.1

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; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-774-602-14

Query Match      68.7%; Score 101; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 MLSHLYVSSKDKENISKEND 28
Db      1 MLSHLYVSSKDKENISKEND 20

RESULT 14
US-10-691-672A-6
; Sequence 6, Application US/10691672A
; Publication No. US20050112133A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
; TITLE OF INVENTION: MALARIAL VACCINES CONTAINING IT
; FILE REFERENCE: 02356.0085
; CURRENT APPLICATION NUMBER: US/10/691,672A
; CURRENT FILING DATE: 2003-10-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(41)
; OTHER INFORMATION: MSP3d
US-10-691-672A-6

Query Match      68.7%; Score 101; DB 5; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.6e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 MLSHLYVSSKDKENISKEND 28
Db      1 MLSHLYVSSKDKENISKEND 20

RESULT 15
US-10-437-963-161536
; Sequence 161536, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 161536
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_60710C.1.pep
US-10-437-963-161536
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Best Local Similarity 33.3%; Pred. No. 42;
Matches 9; Conservative 9; Mismatches 9; Indels 0; Gaps 0;
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Db      131 EHEENOKLRQLQLKKNKDIESLKKQND 157
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Search completed: November 22, 2005, 20:54:01
Job time : 81.9917 secs
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THE POPE JOHN (1901)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 17.5868 Seconds
(without alignments)
131.628 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147
Sequence: 1 PEHKKENMLSHLYVSSKOKENISKEND 28

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	143	97.3	28	2	US-08-416-711-4
2	143	97.3	28	2	US-09-356-497-4
3	143	97.3	28	2	US-10-238-741-4
4	143	97.3	64	2	US-08-416-711-1
5	143	97.3	64	2	US-09-356-497-1
6	143	97.3	64	2	US-10-238-741-1
7	58	39.5	121	2	US-09-270-767-35885
8	58	39.5	121	2	US-09-270-767-51102
9	48.5	33.0	189	2	US-09-710-279-2692
10	48.5	33.0	652	1	US-08-261-663A-6
11	48.5	33.0	652	2	US-09-357-206A-5
12	48.5	33.0	652	2	US-09-813-742A-5
13	48.5	33.0	652	2	PCT-US95-07754A-6
14	48.5	33.0	746	2	US-09-134-001C-3214
15	48	32.7	87	2	US-09-107-433-4959
16	47.5	32.3	68	2	US-09-621-976-7228
17	47.5	32.3	68	2	US-09-621-976-7229
18	47.5	32.3	68	2	US-09-621-976-7234
19	47.5	32.3	72	2	US-09-248-796A-17147
20	47.5	32.3	128	2	US-09-513-999C-7954
21	47.5	32.3	128	2	US-09-513-999C-7955
22	47.5	32.3	128	2	US-09-327-750F-31
23	47.5	32.3	404	2	US-09-710-279-398
24	47.5	32.3	644	2	US-09-710-279-1436
25	47.5	32.3	889	1	US-08-118-101A-4
26	47.5	32.3	1073	2	US-09-541-782-6
27	47.5	32.3	1073	2	US-09-723-820-6

Sequence 6, Appli
Sequence 5106, Ap
Sequence 3159, Ap
Sequence 5, Appli
Sequence 18611, A
Sequence 3, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 32376, A
Sequence 47593, A
Sequence 13, Appli
Sequence 1319, Ap
Sequence 50, Appl
Sequence 50, Appl
Sequence 214, App
Sequence 197, App

ALIGNMENTS

RESULT 1
US-08-416-711-4
; Sequence 4, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-4

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Query Match          97.3%; Score 143; DB 2; Length 28;
Best Local Similarity 96.4%; Pred. No. 1.5e-14;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
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Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

RESULT 2
US-09-356-497-4
; Sequence 4, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-356-497-4

Query Match          97.3%; Score 143; DB 2; Length 28;
Best Local Similarity 96.4%; Pred. No. 1.5e-14;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
   |||||
Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

RESULT 3
US-10-238-741-4
; Sequence 4, Application US/10238741
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; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-238-741-4

Query Match          97.3%; Score 143; DB 2; Length 28;
Best Local Similarity 96.4%; Pred. No. 1.5e-14;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
   |||||
Db 1 PEHKKEENMLSHLYVSSKDKENISKENE 28

RESULT 4
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
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/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/416,711
/ FILING DATE: 08-AUG-1995
/ APPLICATION NUMBER: PCT/FR93/01024
/ FILING DATE: 18-OCT-1993
/ APPLICATION NUMBER: FR 92/12488
/ FILING DATE: 19-OCT-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: OBLON, NORMAN F.
/ REGISTRATION NUMBER: 24,618
/ REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-413-3000
/ TELEFAX: 703-413-2220
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 64 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
/ US-09-356-497-1
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/ Query Match 97.3%; Score 143; DB 2; Length 64;
/ Best Local Similarity 96.4%; Pred. No. 3.9e-14;
/ Matches 27; Conservative 1; Mismatches 0; Indels 0;
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/ QY 1 PEHKKEENMLSHLYSSKDKENISKEND 28
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/ Db 37 PEHKKEENMLSHLYSSKDKENISKENE 64
/
/ RESULT 6
/ US-10-238-741-1
/ Sequence 1, Application US/10238741
/ Patent No. 6949627
/ GENERAL INFORMATION:
/ APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
/ OEUVRAY, CLAUDE
/ TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
/ PROTECTIVE ANTIBODIES
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: OBLON, SPIVAK, MCCELLEND, MAIER & NEUSTADT,
/ P.C.
/ STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
/ CITY: ARLINGTON
/ STATE: VA
/ COUNTRY: USA
/ ZIP: 22202
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/238,741
/ FILING DATE: 09-NOV. 6949627-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/356,497
/ FILING DATE: 19-JUL-1999
/ APPLICATION NUMBER: US/08/416,711
/ FILING DATE: 08-AUG-1995
/ APPLICATION NUMBER: PCT/FR93/01024
/ FILING DATE: 18-OCT-1993
/ APPLICATION NUMBER: FR 92/12488
/ FILING DATE: 19-OCT-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: OBLON, NORMAN F.

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; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1

Query Match          97.3%; Score 143; DB 2; Length 64;
Best Local Similarity 96.4%; Pred. No. 3.9e-14;
Matches 27; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKDKENISKEND 28
Db 37 PEHKKEENMLSHLYVSSKDKENISKENE 64

RESULT 7
US-09-270-767-35885
; Sequence 35885, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1998-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35885
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-35885

Query Match          39.5%; Score 58; DB 2; Length 121;
Best Local Similarity 50.0%; Pred. No. 0.38;
Matches 11; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 7 ENMLSHLYVSSKDKENISKEND 28
Db 84 KNIPFSLHYVISEKKSNIYQSN 105

RESULT 8
US-09-270-767-51102
; Sequence 51102, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51102
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-51102

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; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 652 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-261-663A-6

Query Match 33.0%; Score 48.5; DB 1; Length 652;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28
DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 11
US-09-357-206A-5
; Sequence 5, Application US/09357206A
; Patent No. 6372962
; GENERAL INFORMATION:
; APPLICANT: Dinesh-Kumar, S.
; APPLICANT: Baker, Barbara
; TITLE OF INVENTION: Pathogen Resistance in Plants using cDNA-N/Intron Constructs
; FILE REFERENCE: 042250/191805 (5830-5)
; CURRENT APPLICATION NUMBER: US/09/357,206A
; CURRENT FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 60/093,494
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Nicotiana glutinosa
US-09-357-206A-5

Query Match 33.0%; Score 48.5; DB 2; Length 652;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28
DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 12
US-09-813-742A-5
; Sequence 5, Application US/09813742A
; Patent No. 6630618
; GENERAL INFORMATION:
; APPLICANT: Baker, Barbara J
; APPLICANT: Dinesh-Kumar, S.P.
; TITLE OF INVENTION: NON-PATHOGEN INDUCED SYSTEMIC ACQUIRED RESISTANCE (SAR) IN PLANTS
; FILE REFERENCE: 42250/209601 (5830-12)
; CURRENT APPLICATION NUMBER: US/09/813,742A
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/131,027
; PRIOR FILING DATE: 2000-03-21
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Nicotiana glutinosa
US-09-813-742A-5

Query Match 33.0%; Score 48.5; DB 2; Length 652;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28

DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 13
PCT-US95-07754A-6
; Sequence 6, Application PC/TUS9507754A
; GENERAL INFORMATION:
; APPLICANT: Baker, Barbara J
; APPLICANT: Whitham, Steven A
; TITLE OF INVENTION: Plant Virus Resistance Gene and Methods
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Margaret A. Connor, USDA-ARS
; STREET: 800 Buchanan Street
; CITY: Albany
; STATE: CA
; COUNTRY: USA
; ZIP: 94710
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07754A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Connor, Margaret A
; REGISTRATION NUMBER: 30043
; REFERENCE/DOCKET NUMBER: 0094.94
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 559-6067
; TELEFAX: (510) 559-5777
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 652 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-07754A-6

Query Match 33.0%; Score 48.5; DB 4; Length 652;
Best Local Similarity 50.0%; Pred. No. 73;
Matches 11; Conservative 3; Mismatches 7; Indels 1; Gaps 1;

QY 8 NMLSHLYVSSKOKENIS-KEND 28
DB 606 NSLRHLWTETKKNNIAKEGD 627

RESULT 14
US-09-134-001C-3214
; Sequence 3214, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/084,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3214
; LENGTH: 746
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3214

```

Query Match          33.0%; Score 48.5; DB 2; Length 746;
Best Local Similarity 42.9%; Pred. No. 86;
Matches 12; Conservative 5; Mismatches 8; Indels 3; Gaps 1;

QY      1 PEHKKEENMLSHLYVSSKDKENISKEND 28
      :::::|:::|:::|:::|:::|:::|
DB      645 PQLYEDVWSS---ISSKGDGFKKPN 669

RESULT 15
US-09-107-433-4959
; Sequence 4959, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4959:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 87 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...87
; SEQUENCE DESCRIPTION: SEQ ID NO: 4959:

US-09-107-433-4959

Query Match          32.7%; Score 48; DB 2; Length 87;
Best Local Similarity 40.9%; Pred. No. 7.8;
Matches 9; Conservative 5; Mismatches 8; Indels 0; Gaps 0;

QY      6 EENMLSHLYVSSKDKENISKEN 27
      :::::|:::|:::|:::|
DB      1 KENVMSERRISEKSLNLRKSN 22

Search completed: November 22, 2005, 20:26:19
Job time : 18.5868 secs

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Result No.	Score	Query Match	Length	DB	ID	Description	Sequence	25, Appl
1	43	28.7	501	1	US-10-630-203-25	Sequence 25, Appl	Sequence 25, Appl	
2	41.5	27.7	751	7	US-11-012-762-26	Sequence 26, Appl	Sequence 26, Appl	
3	41	27.3	501	1	US-10-630-203-27	Sequence 27, Appl	Sequence 27, Appl	
4	41	27.3	501	1	US-10-630-203-28	Sequence 28, Appl	Sequence 28, Appl	
5	40.5	27.0	423	1	US-10-467-962B-85	Sequence 85, Appl	Sequence 85, Appl	
6	39	26.0	429	1	US-10-367-457-74	Sequence 74, Appl	Sequence 74, Appl	
7	39	26.0	672	7	US-11-004-057-2	Sequence 2, Appl	Sequence 2, Appl	
8	39	26.0	1302	7	US-11-004-057-6	Sequence 6, Appl	Sequence 6, Appl	
9	39	26.0	1493	7	US-11-004-057-4	Sequence 4, Appl	Sequence 4, Appl	
10	38.5	25.7	452	1	US-10-467-962B-14	Sequence 14, Appl	Sequence 14, Appl	
11	38.5	25.7	695	7	US-11-038-284-34	Sequence 34, Appl	Sequence 34, Appl	
12	38.5	25.7	1001	1	US-10-467-962B-81	Sequence 81, Appl	Sequence 81, Appl	
13	38	25.3	288	1	US-10-131-826A-316	Sequence 316, Appl	Sequence 316, Appl	
14	37	24.7	210	7	US-11-038-284-25	Sequence 25, Appl	Sequence 25, Appl	
15	37	24.7	309	1	US-10-510-386-84	Sequence 84, Appl	Sequence 84, Appl	
16	37	24.7	457	1	US-10-382-545-8	Sequence 8, Appl	Sequence 8, Appl	
17	37	24.7	457	1	US-10-382-545-13	Sequence 13, Appl	Sequence 13, Appl	
18	37	24.7	612	1	US-10-518-018-1	Sequence 1, Appl	Sequence 1, Appl	
19	37	24.7	874	1	US-10-510-386-28	Sequence 28, Appl	Sequence 28, Appl	
20	37	24.7	1047	1	US-10-510-386-200	Sequence 200, Appl	Sequence 200, Appl	
21	36.5	24.3	256	1	US-10-510-386-112	Sequence 112, Appl	Sequence 112, Appl	
22	36	24.0	38	1	US-10-386-501-373	Sequence 373, Appl	Sequence 373, Appl	
23	36	24.0	319	7	US-11-109-156-38	Sequence 38, Appl	Sequence 38, Appl	
24	36	24.0	323	7	US-11-109-156-37	Sequence 37, Appl	Sequence 37, Appl	
25	36	24.0	480	1	US-10-510-386-12	Sequence 12, Appl	Sequence 12, Appl	

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 26
; LENGTH: 751
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-012-762-26

Query Match      27.7%; Score 41.5; DB 7; Length 751;
Best Local Similarity 44.4%; Pred. No. 18;
Matches 12; Conservative 2; Mismatches 8; Indels 5; Gaps 2;

QY 6 SYDYILGWFGG--GVPE---HKKEEN 27
Db 14 SSGYSGWSPGGSGGVPSGPVHKLEKS 40

RESULT 3
US-10-630-203-27
; Sequence 27, Application US/10630203
; Publication No. US20050250663A1
; GENERAL INFORMATION:
; APPLICANT: Novozymes A/S
; APPLICANT: Thisted, Thomas
; APPLICANT: Kjaerulff, Soren
; APPLICANT: Andersen, Carsten
; APPLICANT: Fuglsang, Claus Crone
; TITLE OF INVENTION: Alpha-amylase mutants with altered properties
; FILE REFERENCE: 10062.200-US
; CURRENT APPLICATION NUMBER: US/10/630,203
; CURRENT FILING DATE: 2003-07-29
; PRIOR APPLICATION NUMBER: US/09/918,543
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Bacillus sp.
US-10-630-203-27

Query Match      27.3%; Score 41; DB 1; Length 501;
Best Local Similarity 37.5%; Pred. No. 14;
Matches 9; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

QY 2 KEASSDYILGWFGGVPPEHKKE 25
Db 209 EENGNYDYLGSNIDFSHPVQDE 232

RESULT 4
US-10-630-203-28
; Sequence 28, Application US/10630203
; Publication No. US20050250663A1
; GENERAL INFORMATION:
; APPLICANT: Novozymes A/S
; APPLICANT: Thisted, Thomas
; APPLICANT: Kjaerulff, Soren
; APPLICANT: Andersen, Carsten
; APPLICANT: Fuglsang, Claus Crone
; TITLE OF INVENTION: Alpha-amylase mutants with altered properties
; FILE REFERENCE: 10062.200-US
; CURRENT APPLICATION NUMBER: US/10/630,203
; CURRENT FILING DATE: 2003-07-29
; PRIOR APPLICATION NUMBER: US/09/918,543
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Bacillus sp
US-10-630-203-28

Query Match      26.0%; Score 39; DB 1; Length 429;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 GGGVPEH 22
|||:||||
```

```
Query Match      27.3%; Score 41; DB 1; Length 501;
Best Local Similarity 37.5%; Pred. No. 14;
Matches 9; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

QY 2 KEASSDYILGWFGGVPPEHKKE 25
Db 209 EENGNYDYLGSNIDFSHPVQDE 232

RESULT 5
US-10-467-962B-85
; Sequence 85, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000 857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 85
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-85

Query Match      27.0%; Score 40.5; DB 1; Length 423;
Best Local Similarity 29.0%; Pred. No. 14;
Matches 9; Conservative 9; Mismatches 8; Indels 5; Gaps 1;

QY 1 AKEASSDYILGW-----EFGGVPEHKKEE 26
Db 380 AQNLTFFLYGLVDQLRELGLGRVFLYKKKK 410

RESULT 6
US-10-967-457-74
; Sequence 74, Application US/10967457
; Publication No. US20050244931A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF545PCT
; CURRENT APPLICATION NUMBER: US/10/967,457
; CURRENT FILING DATE: 2004-10-19
; PRIOR APPLICATION NUMBER: US/09/833,041
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-967-457-74

Query Match      26.0%; Score 39; DB 1; Length 429;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 GGGVPEH 22
|||:||||
```

```
Db 45 GGGLPEH 51

RESULT 7
US-11-004-057-2
; Sequence 2, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE REFERENCE: CPI-042CPPC
; CURRENT APPLICATION NUMBER: US/11/004,057
; CURRENT FILING DATE: 2004-12-02
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 672
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-004-057-2

Query Match 26.0%; Score 39; DB 7; Length 672;
Best Local Similarity 41.2%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGGV 19
| | | | |
| | | | |
Db 475 EKSNNLFIEMWAGGSV 491

RESULT 8
US-11-004-057-6
; Sequence 6, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE REFERENCE: CPI-042CPPC
; CURRENT APPLICATION NUMBER: US/11/004,057
; CURRENT FILING DATE: 2004-12-02
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1302
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-004-057-6

Query Match 26.0%; Score 39; DB 7; Length 1302;
Best Local Similarity 41.2%; Pred. No. 71;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGGV 19
| | | | |
| | | | |
Db 1105 EKSNNLFIEMWAGGSV 1121

RESULT 9
US-11-004-057-4
; Sequence 4, Application US/11004057
; Publication No. US20050244846A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: MEK1 PROTEINS AND FRAGMENTS THEREOF FOR USE IN REGULATING
; FILE REFERENCE: CPI-042CPPC
; CURRENT APPLICATION NUMBER: US/11/004,057
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; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/09/403,075
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1493
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-004-057-4

Query Match 26.0%; Score 39; DB 7; Length 1493;
Best Local Similarity 41.2%; Pred. No. 81;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 3 EASSYDYLGWFGGGV 19
| | | | |
| | | | |
Db 1296 EKSNNLFIEMWAGGSV 1312

RESULT 10
US-10-467-962B-14
; Sequence 14, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Daeschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000-857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-14

Query Match 25.7%; Score 38.5; DB 1; Length 452;
Best Local Similarity 46.2%; Pred. No. 29;
Matches 12; Conservative 3; Mismatches 8; Indels 3; Gaps 2;

QY 2 KEASSY-DYILGWFGGGVPEHKKEE 26
| | | | |
| | | | |
Db 263 KEANYVCDYILGGQYDGS--SSTKEE 286

RESULT 11
US-11-038-284-34
; Sequence 34, Application US/11038284
; Publication No. US20050246793A1
; GENERAL INFORMATION:
; APPLICANT: COOKE, DAVID
; APPLICANT: DEBET, MARTINE
; APPLICANT: GIDLEY, MICHAEL, JOHN
; APPLICANT: JOBLING, STEPHEN, ALAN
; APPLICANT: SAFFORD, RICHARD
; APPLICANT: SIDEBOTTOM, CHRISTOPHER, MICHAEL
; APPLICANT: WESTCOTT, ROGER, JOHN
; TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION
; FILE REFERENCE: 054163-5003-US
; CURRENT APPLICATION NUMBER: US/11/038,284
; CURRENT FILING DATE: 2005-01-21
; PRIOR APPLICATION NUMBER: US/10/056,454
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: PCT/GB96/01075
; PRIOR FILING DATE: 1996-05-03
; PRIOR APPLICATION NUMBER: GB 9607409.1
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/ PRIOR FILING DATE: 1996-04-10
/ PRIOR APPLICATION NUMBER: GB 9509229.2
/ PRIOR FILING DATE: 1995-05-05
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 34
/ LENGTH: 695
/ TYPE: PRT
/ ORGANISM: Solanum tuberosum
US-11-038-284-34

Query Match      25.7%; Score 38.5; DB 7; Length 695;
Best Local Similarity 33.3%; Pred. No. 44;
Matches 12; Conservative 0; Mismatches 3; Indels 21; Gaps 2;

QY      7 YDYILG---WEGG-----GVPE 21
DB      621 YRVALGSDAWEFGHGRAGHDVHFTSPGPIGVPE 656

RESULT 12
US-10-467-962B-81
/ Sequence 81, Application US/10467962B
/ Publication No. US20050246784A1
/ GENERAL INFORMATION:
/ APPLICANT: Plesch, Gunnar
/ APPLICANT: Blau, Astrid
/ APPLICANT: Daeschner, Klaus
/ TITLE OF INVENTION: Identification of Herbicidally Active Substances
/ FILE REFERENCE: 2000 857
/ CURRENT APPLICATION NUMBER: US/10/467,962B
/ CURRENT FILING DATE: 2003-08-14
/ PRIOR APPLICATION NUMBER: PCT/EP02/01466
/ PRIOR FILING DATE: 2002-02-13
/ NUMBER OF SEQ ID NOS: 109
/ SOFTWARE: PatentIn Vers. 2.0
/ SEQ ID NO 81
/ LENGTH: 1001
/ TYPE: PRT
/ ORGANISM: Arabidopsis thaliana
US-10-467-962B-81

Query Match      25.7%; Score 38.5; DB 1; Length 1001;
Best Local Similarity 38.1%; Pred. No. 64;
Matches 8; Conservative 3; Mismatches 7; Indels 3; Gaps 1;

QY      10 ILGWFEFGGV---PEHKKEEN 27
DB      575 LVGWSIGGAVGAYPDWLPEN 595

RESULT 13
US-10-131-826A-316
/ Sequence 316, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
```

```
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330RIC128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 316
/ LENGTH: 288
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-316

Query Match      25.3%; Score 38; DB 1; Length 288;
Best Local Similarity 41.2%; Pred. No. 22;
Matches 7; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

QY      3 EASYDYILGWFEFGGV 19
DB      260 EAAHKYIGIDWASGRGV 276

RESULT 14
US-11-038-284-25
/ Sequence 25, Application US/11038284
/ Publication No. US20050246793A1
/ GENERAL INFORMATION:
/ APPLICANT: COOKE, DAVID
/ APPLICANT: DEBET, MARTINE
/ APPLICANT: GIDLEY, MICHAEL, JOHN
/ APPLICANT: JOBLING, STEPHEN, ALAN
/ APPLICANT: SAFFORD, RICHARD
/ APPLICANT: SIDEBOTTOM, CHRISTOPHER, MICHAEL
/ APPLICANT: WESTCOTT, ROGER, JOHN
/ TITLE OF INVENTION: IMPROVEMENTS IN OR RELATING TO PLANT STARCH COMPOSITION
/ FILE REFERENCE: 054163-5003-US
/ CURRENT APPLICATION NUMBER: US/11/038,284
/ CURRENT FILING DATE: 2005-01-21
/ PRIOR APPLICATION NUMBER: US/10/056,454
/ PRIOR FILING DATE: 2002-01-24
/ PRIOR APPLICATION NUMBER: PCT/GB96/01075
/ PRIOR FILING DATE: 1996-05-03
/ PRIOR APPLICATION NUMBER: GB 9607409.1
/ PRIOR FILING DATE: 1996-04-10
/ PRIOR APPLICATION NUMBER: GB 9509229.2
/ PRIOR FILING DATE: 1995-05-05
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 25
/ LENGTH: 210
/ TYPE: PRT
/ ORGANISM: Solanum tuberosum
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US-11-038-284-25

Query Match 24.7%; Score 37; DB 7; Length 210;
Best Local Similarity 33.3%; Pred. No. 22;
Matches 9; Conservative 0; Mismatches 0; Indels 18; Gaps 1;

QY 13 WFFGG-----GVPE 21
Db 148 WFFGGHGRAGHDVDHFTSPGIFGVPE 174

RESULT 15

US-10-510-386-84
; Sequence 84, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groth
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510,386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 84
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-386-84

Query Match 24.7%; Score 37; DB 1; Length 309;
Best Local Similarity 36.0%; Pred. No. 32;
Matches 9; Conservative 6; Mismatches 8; Indels 2; Gaps 1;

QY 1 AXBASSYDYLGWFFGGVPEHKKE 25
Db 236 ADEAA--DLLNEYQYAGLTEDKNE 258

Search completed: November 22, 2005, 20:54:15
Job time : 2.78512 secs

It's Pigeon Pong (1991)

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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 78.0992 Seconds
(without alignments)
144.450 Million cell updates/sec

Title: US-10-774-602-12
Perfect score: 150
Sequence: 1 AKEASSYDYLGWFGGVPHEHKEEN 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_Main:*
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2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	150	100.0	27	4	US-10-294-770-3
2	150	100.0	27	4	US-10-294-770-12
3	150	100.0	27	4	US-10-238-741-3
4	150	100.0	27	4	US-10-774-602-3
5	150	100.0	27	4	US-10-774-602-12
6	150	100.0	27	5	US-10-691-672A-5
7	150	100.0	64	4	US-10-294-770-1
8	150	100.0	64	4	US-10-238-741-1
9	150	100.0	64	4	US-10-774-602-1
10	150	100.0	188	5	US-10-691-672A-7
11	150	100.0	647	5	US-10-691-672A-3
12	146	97.3	169	5	US-10-691-672A-2
13	58	38.7	586	4	US-10-282-122A-51159
14	58	38.7	599	4	US-10-282-122A-49798
15	58	38.7	600	4	US-10-282-122A-48020
16	58	38.7	600	4	US-10-282-122A-50005
17	57	38.0	382	4	US-10-210-115-33
18	57	38.0	382	4	US-10-369-493-691
19	57	38.0	382	4	US-10-282-122A-43296
20	57	38.0	630	5	US-10-450-763-35420
21	56	37.3	126	4	US-10-425-115-233854
22	55	36.7	247	4	US-10-335-977-4888
23	55	36.7	479	3	US-09-881-752A-14
24	55	36.7	479	4	US-10-335-977-4890
25	55	36.7	486	4	US-10-335-977-4891
26	54	36.0	432	4	US-10-437-963-125350
27	52.5	35.0	86	4	US-10-767-701-51357

28	52.5	35.0	111	4	US-10-091-300-35	Sequence 35, Appl
29	52.5	35.0	111	4	US-10-091-300-51	Sequence 51, Appl
30	52.5	35.0	111	5	US-10-482-630-87	Sequence 87, Appl
31	52.5	35.0	111	5	US-10-482-630-103	Sequence 103, Appl
32	52.5	35.0	111	5	US-10-506-997-35	Sequence 35, Appl
33	52.5	35.0	111	5	US-10-506-997-51	Sequence 51, Appl
34	52.5	35.0	594	4	US-10-282-122A-65399	Sequence 65399, A
35	52.5	35.0	602	4	US-10-282-122A-66049	Sequence 66049, A
36	52.5	35.0	602	5	US-10-988-943-30	Sequence 30, Appl
37	52	34.7	378	4	US-10-369-493-360	Sequence 360, App
38	52	34.7	858	4	US-10-369-493-5536	Sequence 5536, Ap
39	52	34.7	858	4	US-10-369-493-5537	Sequence 5537, Ap
40	51.5	34.3	269	3	US-09-888-721-36	Sequence 36, Appl
41	51.5	34.3	282	3	US-09-888-721-38	Sequence 38, Appl
42	51.5	34.3	287	3	US-09-888-721-40	Sequence 40, Appl
43	51.5	34.3	291	3	US-09-888-721-44	Sequence 44, Appl
44	51.5	34.3	296	3	US-09-888-721-42	Sequence 42, Appl
45	51	34.0	66	4	US-10-437-963-106497	Sequence 106497,

ALIGNMENTS

RESULT 1
US-10-294-770-3
; Sequence 3, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 3
; TYPE: PRT
; LENGTH: 27
; ORGANISM: Plasmodium falciparum
US-10-294-770-3

Query Match 100.0%; Score 150; DB 4; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.9e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AKEASSYDYLGWFGGVPHEHKEEN 27
Db 1 AKEASSYDYLGWFGGVPHEHKEEN 27

RESULT 2
US-10-294-770-12
; Sequence 12, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14

Query Match 100.0%: Score 150; DB 4: Length 27;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27
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 Db 1 AKEASSYDYLWFGGVPHEKKEEN 27

RESULT 6

US-10-691-672A-5
 ; Sequence 5, Application US/10691672A
 ; Publication No. US20050112133A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DRUILHE, PIERRE
 ; TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
 ; FILE REFERENCE: 02356.0085
 ; CURRENT APPLICATION NUMBER: US/10/691,672A
 ; CURRENT FILING DATE: 2003-10-24
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: Patent in Ver. 3.3
 ; SEQ ID NO 5
 ; LENGTH: 27
 ; TYPE: PRT
 ; ORGANISM: Plasmodium falciparum
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (1)..(27)
 ; OTHER INFORMATION: MSP3b
 US-10-691-672A-5

Query Match 100.0%; Score 150; DB 5; Length 27;
 Best Local Similarity 100.0%; Pred. No. 1.9e-14;
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27
 |||||
 Db 1 AKEASSYDYLWFGGVPHEKKEEN 27

RESULT 7

US-10-294-770-1
 ; Sequence 1, Application US/10294770
 ; Publication No. US20030161840A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DRUILHE, PIERRE
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
 ; FILE REFERENCE: 230759USOCIP
 ; CURRENT APPLICATION NUMBER: US/10/294,770
 ; CURRENT FILING DATE: 2002-11-15
 ; PRIOR APPLICATION NUMBER: US 09/356,947
 ; PRIOR FILING DATE: 1999-07-19
 ; PRIOR APPLICATION NUMBER: US 08/416,711
 ; PRIOR FILING DATE: 1995-08-08
 ; PRIOR APPLICATION NUMBER: PCT/FR93/01024
 ; PRIOR FILING DATE: 1993-10-18
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: Patent in version 3.1
 ; SEQ ID NO 1
 ; LENGTH: 64
 ; TYPE: PRT
 ; ORGANISM: Plasmodium falciparum
 US-10-294-770-1

Query Match 100.0%; Score 150; DB 4; Length 64;
 Best Local Similarity 100.0%; Pred. No. 4.8e-14;
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27
 |||||
 Db 18 AKEASSYDYLWFGGVPHEKKEEN 44

RESULT 8

US-10-238-741-1
 ; Sequence 1, Application US/10238741
 ; Publication No. US20040096466A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DRUILHE, PIERRE
 ; BOUHAROUN-TAYOUN, HASNAQ
 ; OEUVRAY, CLAUDE
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
 ; PROTECTIVE ANTIBODIES
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
 ; P.C.
 ; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
 ; CITY: ARLINGTON
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 22202
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/238,741
 ; FILING DATE: 09-Nov-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/356,497
 ; FILING DATE: 19-Jul-1999
 ; APPLICATION NUMBER: US/08/416,711
 ; FILING DATE: 08-AUG-1995
 ; APPLICATION NUMBER: PCT/FR93/01024
 ; FILING DATE: 18-OCT-1993
 ; APPLICATION NUMBER: FR 92/12488
 ; FILING DATE: 19-OCT-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: OBLON, NORMAN F.
 ; REGISTRATION NUMBER: 24,618
 ; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 703-413-3000
 ; TELEFAX: 703-413-2220
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 64 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULAR TYPE: peptide
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-10-238-741-1

Query Match 100.0%; Score 150; DB 4; Length 64;
 Best Local Similarity 100.0%; Pred. No. 4.8e-14;
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWFGGVPHEKKEEN 27
 |||||
 Db 18 AKEASSYDYLWFGGVPHEKKEEN 44

RESULT 9

US-10-774-602-1
 ; Sequence 1, Application US/10774602
 ; Publication No. US20040141987A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DRUILHE, PIERRE
 ; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
 ; FILE REFERENCE: 248791USODIV
 ; CURRENT APPLICATION NUMBER: US/10/774,602
 ; CURRENT FILING DATE: 2004-02-10
 ; PRIOR APPLICATION NUMBER: US 09/356,947

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/ PRIOR FILING DATE: 1999-07-19
/ PRIOR APPLICATION NUMBER: US 10/238,741
/ PRIOR FILING DATE: 2002-09-11
/ PRIOR APPLICATION NUMBER: US 08/416,711
/ PRIOR FILING DATE: 1995-08-08
/ PRIOR APPLICATION NUMBER: PCT/FR93/01024
/ PRIOR FILING DATE: 1993-10-18
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 1
/ LENGTH: 64
/ TYPE: PRT
/ ORGANISM: Plasmodium falciparum
/
US-10-774-602-1
Query Match      100.0%; Score 150; DB 4; Length 64;
Best Local Similarity 100.0%; Pred. No. 4.8e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLGWFGGGVPEHKKEEN 27
Db 18 AKEASSYDYLGWFGGGVPEHKKEEN 44

RESULT 10
US-10-691-672A-7
/ Sequence 7, Application US/10691672A
/ Publication No. US20050112133A1
/ GENERAL INFORMATION:
/ APPLICANT: DRUILHE, PIERRE
/ TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
/ FILE REFERENCE: 02356.0085
/ CURRENT APPLICATION NUMBER: US/10/691,672A
/ CURRENT FILING DATE: 2003-10-24
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 3.3
/ SEQ ID NO 7
/ LENGTH: 188
/ TYPE: PRT
/ ORGANISM: Plasmodium falciparum
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (1)..(188)
/ OTHER INFORMATION: MSP3a to MSP3f
US-10-691-672A-7

Query Match      100.0%; Score 150; DB 5; Length 188;
Best Local Similarity 100.0%; Pred. No. 1.5e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLGWFGGGVPEHKKEEN 27
Db 18 AKEASSYDYLGWFGGGVPEHKKEEN 44

RESULT 11
US-10-691-672A-3
/ Sequence 3, Application US/10691672A
/ Publication No. US20050112133A1
/ GENERAL INFORMATION:
/ APPLICANT: DRUILHE, PIERRE
/ TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
/ FILE REFERENCE: 02356.0085
/ CURRENT APPLICATION NUMBER: US/10/691,672A
/ CURRENT FILING DATE: 2003-10-24
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 3.3
/ SEQ ID NO 3
/ LENGTH: 647
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/
US-10-691-672A-3
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
/ OTHER INFORMATION: Peptide
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (1)..(647)
/ OTHER INFORMATION: GLURP MSP3 fusion protein
US-10-691-672A-3

Query Match      100.0%; Score 150; DB 5; Length 647;
Best Local Similarity 100.0%; Pred. No. 5.6e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLGWFGGGVPEHKKEEN 27
Db 478 AKEASSYDYLGWFGGGVPEHKKEEN 504

RESULT 12
US-10-691-672A-2
/ Sequence 2, Application US/10691672A
/ Publication No. US20050112133A1
/ GENERAL INFORMATION:
/ APPLICANT: DRUILHE, PIERRE
/ TITLE OF INVENTION: GLURP-MSP3 FUSION PROTEIN, IMMUNOGENIC COMPOSITIONS AND
/ FILE REFERENCE: 02356.0085
/ CURRENT APPLICATION NUMBER: US/10/691,672A
/ CURRENT FILING DATE: 2003-10-24
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn Ver. 3.3
/ SEQ ID NO 2
/ LENGTH: 169
/ TYPE: PRT
/ ORGANISM: Plasmodium falciparum
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (1)..(169)
/ OTHER INFORMATION: MSP3 amino acids 212-380
US-10-691-672A-2

Query Match      97.3%; Score 146; DB 5; Length 169;
Best Local Similarity 100.0%; Pred. No. 5.1e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 KEASSYDYLGWFGGGVPEHKKEEN 27
Db 1 KEASSYDYLGWFGGGVPEHKKEEN 26

RESULT 13
US-10-282-122A-51159
/ Sequence 51159, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haseibeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
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1  TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
2  FILE REFERENCE: ELITRA.034A
3  CURRENT APPLICATION NUMBER: US/10/282,122A
4  CURRENT FILING DATE: 2003-02-20
5  PRIOR APPLICATION NUMBER: 60/191,078
6  PRIOR FILING DATE: 2000-03-21
7  PRIOR APPLICATION NUMBER: 60/206,848
8  PRIOR FILING DATE: 2000-05-23
9  PRIOR APPLICATION NUMBER: 60/207,727
10 PRIOR FILING DATE: 2000-05-26
11 PRIOR APPLICATION NUMBER: 60/230,335
12 PRIOR FILING DATE: 2000-09-06
13 PRIOR APPLICATION NUMBER: 60/230,347
14 PRIOR FILING DATE: 2000-09-09
15 PRIOR APPLICATION NUMBER: 60/242,578
16 PRIOR FILING DATE: 2000-10-23
17 PRIOR APPLICATION NUMBER: 60/253,625
18 PRIOR FILING DATE: 2000-11-27
19 PRIOR APPLICATION NUMBER: 60/257,931
20 PRIOR FILING DATE: 2000-12-22
21 PRIOR APPLICATION NUMBER: 60/267,636
22 PRIOR FILING DATE: 2001-02-09
23 PRIOR APPLICATION NUMBER: 60/269,308
24 PRIOR FILING DATE: 2001-02-16
25 Remaining Prior Application data removed - See File Wrapper or PALM.
26 NUMBER OF SEQ ID NOS: 78614
27 SOFTWARE: PatentIn version 3.1
28 SEQ ID NO 48020
29 LENGTH: 600
30 TYPE: PRT
31 ORGANISM: Burkholderia cepacia
32 US-10-282-122A-48020
33
34 Query Match 38.7%; Score 58; DB 4; Length 600;

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Best Local Similarity 54.2%; Pred. No. 12;
Matches 13; Conservative 4; Mismatches 5; Indels 2; Gaps 2;

QY 4 ASSYDYL-GWERGGG-VPEHKKE 25
Db 480 AKAYDMLNGWEIGGGSVRIHREE 503

Search completed: November 22, 2005, 20:54:00
Job time : 79.0992 secs

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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 16.9587 Seconds
(without alignments)
131.628 Million cell updates/sec

Title: US-10-774-602-12
Perfect score: 150
Sequence: 1 AKXASSYDILGWFGGVPKHKEEN 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5 COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6 COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfilee1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	150	100.0	27	2	US-08-416-711-3
2	150	100.0	27	2	US-09-356-497-3
3	150	100.0	27	2	US-10-238-741-3
4	150	100.0	64	2	US-08-416-711-1
5	150	100.0	64	2	US-09-356-497-1
6	150	100.0	64	2	US-10-238-741-1
7	50.5	33.7	597	2	US-09-252-991A-32073
8	49	32.7	490	2	US-09-292-225-41
9	49	32.7	509	2	US-09-292-225-35
10	49	32.7	509	2	US-09-292-225-38
11	48	32.0	306	2	US-09-386-642-53
12	48	32.0	319	2	US-09-386-642-12
13	48	32.0	560	2	US-09-252-991A-22343
14	48	32.0	671	2	US-09-252-991A-19016
15	47.5	31.7	588	2	US-09-710-279-3328
16	47.5	31.7	593	2	US-09-134-001C-3592
17	47	31.3	168	2	US-09-543-681A-6335
18	47	31.3	416	2	US-09-100-664A-9
19	47	31.3	416	2	US-09-335-983-9
20	47	31.3	416	2	US-09-553-867A-9
21	47	31.3	416	2	US-09-553-867A-16
22	47	31.3	416	2	US-09-553-867A-18
23	47	31.3	416	2	US-09-472-112-1
24	47	31.3	416	2	US-09-252-991A-18079
25	47	31.3	416	2	US-09-538-092-1157
26	47	31.3	416	2	US-09-559-867-9
27	47	31.3	416	2	US-09-559-867-16

Sequence 18, Appl
Sequence 215, App
Sequence 216, App
Sequence 217, App
Sequence 10920, A
Sequence 45524, A
Sequence 21398, A
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2248, A
Sequence 60833, A
Sequence 126, App
Sequence 67, Appl
Sequence 4, Appli
Sequence 4, Appli

28 47 31.3 416 2 US-09-559-867-18
29 47 31.3 416 2 US-09-771-161A-215
30 47 31.3 416 2 US-09-771-161A-216
31 47 31.3 416 2 US-09-771-161A-217
32 47 31.3 417 2 US-09-949-016-10920
33 47 31.3 475 2 US-09-270-767-45524
34 47 31.3 947 2 US-09-252-991A-21398
35 47 31.3 1390 1 US-08-770-544-2
36 47 31.3 1390 2 US-09-579-259-2
37 47 31.3 1390 2 US-09-650-324A-2
38 47 31.3 1390 2 US-10-039-112A-2
39 46.5 31.0 61 2 US-09-248-796A-22248
40 46.5 31.0 125 2 US-09-270-767-60833
41 46.5 31.0 233 2 US-09-771-161A-126
42 46.5 31.0 523 2 US-08-606-505B-67
43 46.5 31.0 523 2 US-09-616-990-67
44 46 30.7 28 2 US-08-416-711-4
45 46 30.7 28 2 US-09-356-497-4

ALIGNMENTS

RESULT 1
US-08-416-711-3
; Sequence 3, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-416-711-3

Query Match 100.0%; Score 150; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-16;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27
|||||
Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

RESULT 2
US-09-356-497-3
; Sequence 3, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/356,497
FILING DATE: 19-Jul-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/416,711
FILING DATE: 08-AUG-1995
APPLICATION NUMBER: PCT/FR93/01024
FILING DATE: 18-OCT-1993
APPLICATION NUMBER: FR 92/12488
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-085-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-356-497-3
Query Match 100.0%; Score 150; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-16;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27
|||||
Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

RESULT 3
US-10-238-741-3
; Sequence 3, Application US/10238741

Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/10/238,741
FILING DATE: 09-No. 6949627-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/356,497
FILING DATE: 19-Jul-1999
APPLICATION NUMBER: US/08/416,711
FILING DATE: 08-AUG-1995
APPLICATION NUMBER: PCT/FR93/01024
FILING DATE: 18-OCT-1993
APPLICATION NUMBER: FR 92/12488
FILING DATE: 19-OCT-1992

ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-085-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-238-741-3

Query Match 100.0%; Score 150; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-16;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSYDYLWGFEGGVPEHKKEEN 27
|||||
Db 1 AKEASSYDYLWGFEGGVPEHKKEEN 27

RESULT 4
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,


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/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: US/09/416,711
/   FILING DATE: 08-AUG-1995
/   APPLICATION NUMBER: PCT/FR93/01024
/   FILING DATE: 18-OCT-1993
/   APPLICATION NUMBER: FR 92/12488
/   FILING DATE: 19-OCT-1992
/ ATTORNEY/AGENT INFORMATION:
/   NAME: OBLON, NORMAN F.
/   REGISTRATION NUMBER: 24,618
/   REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: 703-413-3000
/   TELEFAX: 703-413-2220
/ INFORMATION FOR SEQ ID NO: 1:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 64 amino acids
/     TYPE: amino acid
/     STRANDEDNESS: single
/     TOPOLOGY: linear
/   MOLECULE TYPE: peptide
/   SEQUENCE DESCRIPTION: SEQ ID NO: 1:
/
/ US-09-356-497-1
/
/ Query Match          100.0%;   Score 150;   DB 2;   Length 64;
/ Best Local Similarity 100.0%;   Pred. No. 1.2e-15;
/ Matches 27;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;
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/ QY      1 AKEASSDYILGWFGGVPHEKKEEN 27
/         |||||
/ Db      18 AKEASSDYILGWFGGVPHEKKEEN 44
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/ RESULT 6
/ US-10-238-741-1
/   Sequence 1, Application US/10238741
/   Patent No. 6949627
/   GENERAL INFORMATION:
/     APPLICANT: DRUILHE, PIERRE
/               BOUHAROUN-TAYOUN, HASNAQ
/               OEUVRAY, CLAUDE
/   TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
/                       PROTECTIVE ANTIBODIES
/   NUMBER OF SEQUENCES: 10
/   CORRESPONDENCE ADDRESS:
/     ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
/               P.C.
/     STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
/     CITY: ARLINGTON
/     STATE: VA
/     COUNTRY: USA
/     ZIP: 22202
/   COMPUTER READABLE FORM:
/     MEDIUM TYPE: Floppy disk
/     COMPUTER: IBM PC compatible
/     OPERATING SYSTEM: PC-DOS/MS-DOS
/     SOFTWARE: PatentIn Release #1.0, Version #1.30
/   CURRENT APPLICATION DATA:
/     APPLICATION NUMBER: US/10/238,741
/     FILING DATE: 09-NO. 6949627-2002
/     CLASSIFICATION: <Unknown>
/   PRIOR APPLICATION DATA:
/     APPLICATION NUMBER: US/09/356,497
/     FILING DATE: 19-JUL-1999
/     APPLICATION NUMBER: US/08/416,711
/     FILING DATE: 08-AUG-1995
/     APPLICATION NUMBER: PCT/FR93/01024
/     FILING DATE: 18-OCT-1993
/     APPLICATION NUMBER: FR 92/12488
/     FILING DATE: 19-OCT-1992
/   ATTORNEY/AGENT INFORMATION:
/     NAME: OBLON, NORMAN F.

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/
/ REGISTRATION NUMBER: 24,618
/ REFERENCE/DOCKET NUMBER: 660-085-0 PCT
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-413-3000
/ TELEFAX: 703-413-2220
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 64 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1

Query Match 100.0%; Score 150; DB 2; Length 64;
Best Local Similarity 100.0%; Pred. No. 1.2e-15;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AKEASSDYILGWFGGGVPEHKKEEN 27
Db 18 AKEASSDYILGWFGGGVPEHKKEEN 44

RESULT 7
US-09-252-991A-32073
/ Sequence 32073, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 32073
/ LENGTH: 597
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32073

Query Match 33.7%; Score 50.5; DB 2; Length 597;
Best Local Similarity 44.0%; Pred. No. 23;
Matches 11; Conservative 5; Mismatches 8; Indels 1; Gaps 1;

QY 2 KEASSDYILGW-EFGGGVPEHKKE 25
Db 563 KPFNAYKHSIGWGDWGGVPEKKE 587

RESULT 8
US-09-292-225-41
/ Sequence 41, Application US/09292225
/ Patent No. 6455686
/ GENERAL INFORMATION:
/ APPLICANT: McCall, Catherine A.
/ APPLICANT: Hunter, Shirley Wu
/ APPLICANT: Weber, Eric R.
/ TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ FILE REFERENCE: AL-2-C3
/ CURRENT APPLICATION NUMBER: US/09/292,225
/ CURRENT FILING DATE: 1999-04-15
/ EARLIER APPLICATION NUMBER: 60/098,909
/ EARLIER FILING DATE: 1998-09-02
/ EARLIER APPLICATION NUMBER: 60/085,295
/ EARLIER FILING DATE: 1998-05-13
/ EARLIER APPLICATION NUMBER: 60/098,565
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/ EARLIER FILING DATE: 1998-04-17
/ EARLIER APPLICATION NUMBER: 09/062,013
/ EARLIER FILING DATE: 1998-04-17
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 41
/ LENGTH: 490
/ TYPE: PRT
/ ORGANISM: Dermatophagoides farinae
US-09-292-225-41

Query Match 32.7%; Score 49; DB 2; Length 490;
Best Local Similarity 43.5%; Pred. No. 32;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGW--PGGGVPEHKKEE 26
Db 206 TYDHGGWENFGHNAPLYKRPD 228

RESULT 9
US-09-292-225-35
/ Sequence 35, Application US/09292225
/ Patent No. 6455686
/ GENERAL INFORMATION:
/ APPLICANT: McCall, Catherine A.
/ APPLICANT: Hunter, Shirley Wu
/ APPLICANT: Weber, Eric R.
/ TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ FILE REFERENCE: AL-2-C3
/ CURRENT APPLICATION NUMBER: US/09/292,225
/ CURRENT FILING DATE: 1999-04-15
/ EARLIER APPLICATION NUMBER: 60/098,909
/ EARLIER FILING DATE: 1998-09-02
/ EARLIER APPLICATION NUMBER: 60/085,295
/ EARLIER FILING DATE: 1998-05-13
/ EARLIER APPLICATION NUMBER: 60/098,565
/ EARLIER FILING DATE: 1998-04-17
/ EARLIER APPLICATION NUMBER: 09/062,013
/ EARLIER FILING DATE: 1998-04-17
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 35
/ LENGTH: 509
/ TYPE: PRT
/ ORGANISM: Dermatophagoides farinae
US-09-292-225-35

Query Match 32.7%; Score 49; DB 2; Length 509;
Best Local Similarity 43.5%; Pred. No. 33;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGW--PGGGVPEHKKEE 26
Db 225 TYDHGGWENFGHNAPLYKRPD 247

RESULT 10
US-09-292-225-38
/ Sequence 38, Application US/09292225
/ Patent No. 6455686
/ GENERAL INFORMATION:
/ APPLICANT: McCall, Catherine A.
/ APPLICANT: Hunter, Shirley Wu
/ APPLICANT: Weber, Eric R.
/ TITLE OF INVENTION: NOVEL DERMATOPHAGOIDES NUCLEIC ACID MOLECULES, PROTEINS
/ FILE REFERENCE: AL-2-C3
/ CURRENT APPLICATION NUMBER: US/09/292,225
/ CURRENT FILING DATE: 1999-04-15
/ EARLIER APPLICATION NUMBER: 60/098,909
/ EARLIER FILING DATE: 1998-09-02
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; EARLIER APPLICATION NUMBER: 60/085,295
; EARLIER FILING DATE: 1998-05-13
; EARLIER APPLICATION NUMBER: 60/098,565
; EARLIER FILING DATE: 1998-04-17
; EARLIER APPLICATION NUMBER: 09/062,013
; EARLIER FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
; LENGTH: 509
; TYPE: PRF
; ORGANISM: Dermatophagoides farinae
US-09-292-225-38

Query Match 32.7%; Score 49; DB 2; Length 509;
Best Local Similarity 43.5%; Pred. No. 33;
Matches 10; Conservative 4; Mismatches 7; Indels 2; Gaps 1;

QY 6 SYDYILGWE--FGGVPEHKKEE 26
Db 225 TYDHGGWENVFGHNAPLYKRPD 247
:|||||:|:|:|

RESULT 11
US-09-386-642-53
; Sequence 53, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 306
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of
; OTHER INFORMATION: human protease F in CFEK2 zymogen vector
US-09-386-642-53

Query Match 32.0%; Score 48; DB 2; Length 306;
Best Local Similarity 44.4%; Pred. No. 27;
Matches 8; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

QY 10 ILGWFFGGVPEHKKEEN 27
Db 12 LLGTTGGCVDPYKDDDD 29
:|||||:|:|:|

RESULT 12
US-09-386-642-12
; Sequence 12, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Qi, Jensen
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 319
; TYPE: PRF
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
; OTHER INFORMATION: with homo sapien serine protease catalytic domain
US-09-386-642-12

Query Match 32.0%; Score 48; DB 2; Length 319;
Best Local Similarity 44.4%; Pred. No. 28;
Matches 8; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

QY 10 ILGWFFGGVPEHKKEEN 27
Db 12 LLGTTGGCVDPYKDDDD 29
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RESULT 13
US-09-252-991A-22343
; Sequence 22343, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22343
; LENGTH: 560
; TYPE: PRF
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22343

Query Match 32.0%; Score 48; DB 2; Length 560;
Best Local Similarity 56.2%; Pred. No. 52;
Matches 9; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 4 ASSDYILGWFFGGV 19
Db 379 AVSNTYTLNWDFFGSV 394
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RESULT 14
US-09-252-991A-19016
; Sequence 19016, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19016
; LENGTH: 671
; TYPE: PRF
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19016

Query Match 32.0%; Score 48; DB 2; Length 671;
Best Local Similarity 70.0%; Pred. No. 64;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 10 ILGWFFGGV 19
:|||||:|:|:|

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Db      212 LLGWSFGGGL 221

RESULT 15
US-09-710-279-3328
; Sequence 3328, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3328
; LENGTH: 588
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-3328

Query Match      31.7%; Score 47.5; DB 2; Length 588;
Best Local Similarity 52.9%; Pred. No. 66;
Matches 9; Conservative 5; Mismatches 2; Indels 1; Gaps 1;

QY      3 EASSYDYIL-GWFFGGG 18
      :|:|:|:|:|:|:|:|:|
Db      473 QANAYDIVLNGYELGGG 489

Search completed: November 22, 2005, 20:26:18
Job time : 17.9587 secs
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	Score	Length	DB							
1	44	35.5	322	7	US-11-074-176-36	Sequence 36, Appl				
2	41.5	33.5	964	7	US-11-016-706-39	Sequence 39, Appl				
3	37	29.8	828	1	US-10-501-033-2	Sequence 2, Appl				
4	36	29.0	428	7	US-11-074-176-364	Sequence 364, App				
5	36	29.0	456	7	US-11-021-441-18	Sequence 18, Appl				
6	36	29.0	479	7	US-11-021-441-20	Sequence 20, Appl				
7	36	29.0	490	7	US-11-021-441-26	Sequence 26, Appl				
8	36	29.0	497	7	US-11-021-441-22	Sequence 22, Appl				
9	36	29.0	497	7	US-11-021-441-24	Sequence 24, Appl				
10	36	29.0	1035	7	US-11-021-441-4	Sequence 4, Appl				
11	35	28.2	554	7	US-11-074-176-320	Sequence 320, App				
12	35	28.2	570	7	US-11-074-176-68	Sequence 68, Appl				
13	35	28.2	677	1	US-10-982-545-12	Sequence 12, Appl				
14	35	28.2	802	1	US-10-510-386-2	Sequence 2, Appl				
15	35	28.2	1432	1	US-10-510-386-218	Sequence 218, App				
16	34	27.4	296	7	US-11-102-978-7	Sequence 7, Appl				
17	34	27.4	391	1	US-10-979-821-12	Sequence 12, Appl				
18	34	27.4	599	1	US-10-957-569-12	Sequence 12, Appl				
19	34	27.4	674	1	US-10-501-033-10	Sequence 10, Appl				
20	34	27.4	1386	7	US-11-091-643-6	Sequence 6, Appl				
21	34	27.4	2897	1	US-10-499-715-2	Sequence 2, Appl				
22	33.5	27.0	591	1	US-10-510-386-22	Sequence 22, Appl				
23	33	26.6	126	1	US-10-510-386-86	Sequence 86, Appl				
24	33	26.6	242	7	US-11-022-562-220	Sequence 220, App				
25	33	26.6	262	7	US-11-074-176-8	Sequence 8, Appl				

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; CURRENT FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 09/962,955
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 09/938,275
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 08/947,057
; PRIOR FILING DATE: 1997-10-08
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: Patentin Ver. 3.2
; SEQ ID NO 39
; LENGTH: 964
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-016-706-39

Query Match      33.5%; Score 41.5; DB 7; Length 964;
Best Local Similarity 38.5%; Pred. No. 12;
Matches 10; Conservative 8; Mismatches 7; Indels 1; Gaps 1;

QY 1 YEKAKNAYQ-KANQAVLKAKEASSYD 25
Db 556 HKGKNSRPKTKNQGEKSDAPSWD 581

RESULT 3
US-10-501-039-2
; Sequence 2, Application US/10501039
; Publication No. US2005024482A1
; GENERAL INFORMATION:
; APPLICANT: Tetsuro Kokubo, Masahiro Shirakawa, and Jeremy Robin Howard Tame
; TITLE OF INVENTION: Method of monitoring gene expression
; FILE REFERENCE: 4439-4023
; CURRENT APPLICATION NUMBER: US/10/501,039
; CURRENT FILING DATE: 2004-07-08
; PRIOR APPLICATION NUMBER: JP P2002-002396
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 828
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-501-039-2

Query Match      29.8%; Score 37; DB 1; Length 828;
Best Local Similarity 43.8%; Pred. No. 48;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 5 KNAYOKANQAVLKAKE 20
Db 556 KQAYEEKKLLKQKE 571

RESULT 4
US-11-074-176-364
; Sequence 364, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 364

; CURRENT FILING DATE: 2004-12-16
; Sequence 18, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23

Query Match      29.0%; Score 36; DB 7; Length 428;
Best Local Similarity 25.0%; Pred. No. 29;
Matches 6; Conservative 7; Mismatches 11; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANQAVLKAKEASSYD 25
Db 25 ETARNFNRYREIRTPSFENYE 48

RESULT 5
US-11-021-441-18
; Sequence 18, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23

Query Match      29.0%; Score 36; DB 7; Length 456;
Best Local Similarity 58.3%; Pred. No. 32;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 NAYOKANQAVLK 17
Db 72 HTYEDPNQAVLK 83

RESULT 6
US-11-021-441-20
; Sequence 20, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23
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; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
; US-11-021-441-20

Query Match          29.0%; Score 36; DB 7; Length 479;
Best Local Similarity 58.3%; Pred. No. 34;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      95 HTYEDPNQAVLK 106
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RESULT 7
US-11-021-441-26
; Sequence 26, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
; US-11-021-441-22

Query Match          29.0%; Score 36; DB 7; Length 497;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      103 HTYEDPNQAVLK 114
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RESULT 8
US-11-021-441-22
; Sequence 22, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
; US-11-021-441-22

Query Match          29.0%; Score 36; DB 7; Length 497;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
Db      103 HTYEDPNQAVLK 114
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RESULT 9
US-11-021-441-24
; Sequence 24, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; PRIOR FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
; US-11-021-441-26

Query Match          29.0%; Score 36; DB 7; Length 490;
Best Local Similarity 58.3%; Pred. No. 35;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      6 NAYQKANQAVLK 17
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; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
US-11-021-441-24

Query Match      29.0%; Score 36; DB 7; Length 497;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 NAYOKANQAVLK 17
Db      103 HTYEDPNQAVLK 114

RESULT 10
US-11-021-441-4
; Sequence 4, Application US/11021441
; Publication No. US20050249748A1
; GENERAL INFORMATION:
; APPLICANT: DUBENSKIY, Thomas W., Jr.
; APPLICANT: PORTNOY, Daniel A.
; APPLICANT: LUCKETT, William S., Jr.
; APPLICANT: COOK, David N.
; TITLE OF INVENTION: RECOMBINANT NUCLEIC ACID MOLECULES,
; TITLE OF INVENTION: EXPRESSION CASSETTES, AND BACTERIA, AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 282172003900
; CURRENT APPLICATION NUMBER: US/11/021,441
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/616,750
; PRIOR FILING DATE: 2004-10-06
; PRIOR APPLICATION NUMBER: US 60/615,287
; PRIOR FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US 60/599,377
; PRIOR FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: PCT/US2004/23881
; PRIOR FILING DATE: 2004-07-23
; PRIOR APPLICATION NUMBER: US 10/883,599
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US 60/556,744
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 1035
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein
US-11-021-441-4

Query Match      29.0%; Score 36; DB 7; Length 1035;
Best Local Similarity 58.3%; Pred. No. 91;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 NAYOKANQAVLK 17
Db      651 HTYEDPNQAVLK 662

RESULT 11
US-11-074-176-320
; Sequence 320, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
```

```
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Perill, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 320
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-320

Query Match      28.2%; Score 35; DB 7; Length 554;
Best Local Similarity 42.1%; Pred. No. 59;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      3 KAKNAYOKANQAVLKAKEA 21
Db      382 EAKNAFKALTKKGLSDKEA 400

RESULT 12
US-11-074-176-68
; Sequence 68, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Perill, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 570
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-68

Query Match      28.2%; Score 35; DB 7; Length 570;
Best Local Similarity 42.1%; Pred. No. 61;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY      3 KAKNAYOKANQAVLKAKEA 21
Db      398 EAKNAFKALTKKGLSDKEA 416

RESULT 13
US-10-982-545-12
; Sequence 12, Application US/10982545
; Publication No. US20050244890A1
; GENERAL INFORMATION:
; APPLICANT: Davies, Huw Alun
; APPLICANT: McGuire, James
; APPLICANT: Simonsen, Anja Hviid
; APPLICANT: Blennow, Kaj
```



```

RESULT 14
US/10-510-386-2
; Sequence 2, Application US/10510386
; Publication No. US20050244922A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Clausen, Ib Groch
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10294.204-US
; CURRENT APPLICATION NUMBER: US/10/510.386
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 248
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2

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Search completed: November 22, 2005, 20:54:14
Job time : 2.65289 secs

The Logo Book (1970)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:24:49 ; Search time 72.314 Seconds
(without alignments)
144.450 Million cell updates/sec

Title: US-10-774-602-11
Perfect score: 124
Sequence: 1 YEKAKNAYOKANQAVLKAKEASSYD 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pgp:*
4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pgp:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	124	100.0	25	4	US-10-294-770-11
2	124	100.0	25	4	US-10-774-602-11
3	124	100.0	188	5	US-10-691-672A-7
4	116	93.5	64	4	US-10-294-770-1
5	116	93.5	64	4	US-10-238-741-1
6	116	93.5	64	4	US-10-774-602-1
7	96	77.4	23	4	US-10-294-770-2
8	96	77.4	23	4	US-10-238-741-2
9	96	77.4	23	4	US-10-774-602-2
10	53	42.7	463	6	US-11-097-143-5967
11	51.5	41.5	866	4	US-10-437-963-203902
12	51.5	41.5	1109	4	US-10-437-963-203905
13	50	40.3	79	4	US-10-177-725-16
14	50	40.3	79	4	US-10-177-725-20
15	50	40.3	79	4	US-10-177-725-66
16	50	40.3	79	4	US-10-177-725-70
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19	50	40.3	79	4	US-10-393-449-66
20	50	40.3	79	4	US-10-393-449-70
21	50	40.3	230	5	US-10-501-282-4380
22	50	40.3	1161	4	US-10-282-122A-69440
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24	48.5	39.1	223	5	US-10-732-923-2245
25	48.5	39.1	802	4	US-10-437-963-149821
26	48.5	39.1	1170	4	US-10-437-963-149705
27	48.5	39.1	1313	4	US-10-437-963-149939

28	48.5	39.1	1452	4	US-10-437-963-167910	Sequence 167910,
29	48.5	39.1	1510	4	US-10-437-963-134639	Sequence 134639,
30	48.5	39.1	1775	4	US-10-437-963-149750	Sequence 149750,
31	48.5	39.1	1875	4	US-10-437-963-203247	Sequence 203247,
32	48.5	39.1	2021	4	US-10-437-963-167916	Sequence 167916,
33	47.5	38.3	100	3	US-09-741-669-323	Sequence 323, App
34	47.5	38.3	100	3	US-09-912-020-390	Sequence 390, App
35	47.5	38.3	100	3	US-09-815-242-10357	Sequence 10357, A
36	47.5	38.3	100	4	US-10-287-274-308	Sequence 308, App
37	47.5	38.3	100	4	US-10-282-122A-42602	Sequence 42602, A
38	47.5	38.3	100	5	US-10-771-241-390	Sequence 390, App
39	47.5	38.3	503	4	US-10-282-122A-56235	Sequence 56235, A
40	47	37.9	119	4	US-10-282-122A-65457	Sequence 65457, A
41	47	37.9	119	4	US-10-282-122A-65824	Sequence 65824, A
42	47	37.9	119	5	US-10-472-260-116	Sequence 116, App
43	47	37.9	317	5	US-10-926-543-78	Sequence 78, Appl
44	47	37.9	508	4	US-10-425-115-283511	Sequence 283511,
45	47	37.9	541	5	US-10-732-923-19925	Sequence 19925, A

ALIGNMENTS

RESULT 1
US-10-294-770-11
; Sequence 11, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-11

Query Match 100.0%; Score 124; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 3.5e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
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Db 1 YEKAKNAYOKANQAVLKAKEASSYD 25

RESULT 2
US-10-774-602-11
; Sequence 11, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791US0DIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711

Db 1 HERAKNAYQKANOAVLKAKEASSYD 25
:|:|||||||||||||||||||||

RESULT 6

US-10-774-602-1
; Sequence 1, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-1

Query Match 93.5%; Score 116; DB 4; Length 64;
Best Local Similarity 92.0%; Pred. No. 1.2e-08;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANOAVLKAKEASSYD 25
:|:|||||||||||||||||||||

Db 1 HERAKNAYQKANOAVLKAKEASSYD 25

RESULT 7

US-10-294-770-2
; Sequence 2, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-2

Query Match 77.4%; Score 96; DB 4; Length 23;
Best Local Similarity 84.0%; Pred. No. 2.4e-06;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

Qy 1 YEKAKNAYQKANOAVLKAKEASSYD 25
:|:|||||||||||||||||||||

Db 1 HERAKNAYQKANOAVL--KEASSYD 23

RESULT 8

US-10-774-602-2

US-10-238-741-2
; Sequence 2, Application US/10238741
; Publication No. US20040096466A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHARCUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ORLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-Nov-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: ORLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-238-741-2
Query Match 77.4%; Score 96; DB 4; Length 23;
Best Local Similarity 84.0%; Pred. No. 2.4e-06;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;
Qy 1 YEKAKNAYQKANOAVLKAKEASSYD 25
:|:|||||||||||||||||||||
Db 1 HERAKNAYQKANOAVL--KEASSYD 23
RESULT 9
US-10-774-602-2
; Sequence 2, Application US/10774602
; Publication No. US20040141987A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 248791USODIV
; CURRENT APPLICATION NUMBER: US/10/774,602
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US 09/356,947

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; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 10/238,741
; PRIOR FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-774-602-2

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Query Match          77.4%; Score 96; DB 4; Length 23;
Best Local Similarity 84.0%; Pred. No. 2.4e-06;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

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Qy 1 YEKAKNAYQKANQAVLKAKEASSYD 25
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D6 1 HERAKNAYQKANQAVL--KEASSYD 23

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RESULT 10
US-11-097-143-5967
; Sequence 5967, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.

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Query Match 42.7%; Score 53; DB 6; Length 463;
Best Local Similarity 47.8%; Pred. No. 57;
Matches 11; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
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Db 414 YEAAREEYLKOEAAATVKAOKAKS 436

RESULT 11
US-10-437-963-203902
; Sequence 203902, Application US/10437963

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; Publication No. US20040123343A1
;
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalick, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yigwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
;
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
;
; SEQ ID NO 203902
; LENGTH: 866
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; TYPE: PRT
; ORGANISM: Oryza sativa
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; FEATURE:
;
; OTHER INFORMATION: Clone ID: PAT_MRT4530_99041C.1.pep
; US-10-437-963-203902

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Query Match 41.5%; Score 51.5; DB 4; Length 866;
Best Local Similarity 52.2%; Pred. No. 1.8e+02;
Matches 12; Conservative 5; Mismatches 5; Indels 1; Gaps 1;

Qy 1 YEKAKNAYQKANQAVLKAKEASS 23
: : : : :
Db 432 FEKA-NEYAKADDAVLASKOSGS 453

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RESULT 12
US-10-437-963-203905
; Sequence 203905, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 203905
; LENGTH: 1109
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1109)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_99044C.1.pep
US-10-437-963-203905

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Query Match	41.5%	Score 51.5;	DB 4;	Length 1109;
Best Local Similarity	52.2%	Pred. No. 2.4e+02;		
Matches 12;	Conservative	5;	Mismatches 5;	Indels 1;
				Gaps 1;

Qy	1	YEK	NAYQ	KANQ	AVL	KAKE	ASS	23
	:						:	:
	:						:	:
Db	252	FEKA	-NEYA	KADDA	AVL	ASKQ	SGS	273

RESULT 13
US-10-177-725-16
; Sequence 16, Application US/10177725
; Publication No. US20030143562A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David
; APPLICANT: Bogenberger, Jakob M.
; APPLICANT: Peele, Beau R.
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S
; FILE REFERENCE: A-66900-4/RMS/AMS
; CURRENT APPLICATION NUMBER: US/10/177,725
; CURRENT FILING DATE: 2002-06-20
; PRIOR APPLICATION NUMBER: US 09/415,765
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: US 09/169,015
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-177-725-16

Query Match 40.3%; Score 50; DB 4; Length 79;
Best Local Similarity 63.2%; Pred. No. 21;
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21
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Db 58 KAKEAEAKAKEAEAKAKEA 76

RESULT 14
US-10-177-725-20
; Sequence 20, Application US/10177725
; Publication No. US20030143562A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David
; APPLICANT: Bogenberger, Jakob M.
; APPLICANT: Peele, Beau R.
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S
; FILE REFERENCE: A-66900-4/RMS/AMS
; CURRENT APPLICATION NUMBER: US/10/177,725
; CURRENT FILING DATE: 2002-06-20
; PRIOR APPLICATION NUMBER: US 09/415,765
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: US 09/169,015
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-177-725-20

Query Match 40.3%; Score 50; DB 4; Length 79;
Best Local Similarity 63.2%; Pred. No. 21;
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21
||| ||| : ||| |||
Db 58 KAKEAEAKAKEAEAKAKEA 76

RESULT 15
US-10-177-725-66
; Sequence 66, Application US/10177725

; Publication No. US20030143562A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David
; APPLICANT: Bogenberger, Jakob M.
; APPLICANT: Peele, Beau R.
; TITLE OF INVENTION: STRUCTURALLY BIASED RANDOM PEPTIDE LIBRARIES BASED ON DIFFERENT S
; FILE REFERENCE: A-66900-4/RMS/AMS
; CURRENT APPLICATION NUMBER: US/10/177,725
; CURRENT FILING DATE: 2002-06-20
; PRIOR APPLICATION NUMBER: US 09/415,765
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: US 09/169,015
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: MISC FEATURE
; LOCATION: (21)-(52)
; OTHER INFORMATION: "Xaa" at positions 21-23, 25-27, 29-30, 32-34, 36-37, 39-41, 43-4
; OTHER INFORMATION: 5, 47-48, and 50-52 can be any amino acid
US-10-177-725-66

Query Match 40.3%; Score 50; DB 4; Length 79;
Best Local Similarity 63.2%; Pred. No. 21;
Matches 12; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 KAKNAYQKANOAVLKAKEA 21
||| ||| : ||| |||
Db 58 KAKEAEAKAKEAEAKAKEA 76

Search completed: November 22, 2005, 20:53:59
Job time : 73.314 secs

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OM protein - protein search, using sw model

Run on: November 22, 2005, 20:20:23 ; Search time 15.7025 Seconds
(without alignments)
131.628 Million cell updates/sec

Title: US-10-774-602-11

Perfect score: 124

Sequence: 1 YEKANNYQANQAVLKAEASSYD 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 2: /cgn2_6/prodata/1/iaa/6_COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/H_COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/PCUS_COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/RE_COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	116	93.5	64	2	US-08-416-711-1
2	116	93.5	64	2	US-09-356-497-1
3	116	93.5	64	2	US-10-238-741-1
4	96	77.4	23	2	US-08-416-711-2
5	96	77.4	23	2	US-09-356-497-2
6	96	77.4	23	2	US-10-238-741-2
7	52	41.9	117	2	US-09-302-540-16285
8	50	40.3	28	1	US-08-303-025-12
9	50	40.3	28	1	US-08-436-703B-1
10	50	40.3	29	1	US-08-152-488-10
11	50	40.3	29	1	US-08-152-488-11
12	50	40.3	29	1	US-08-303-025-10
13	50	40.3	29	1	US-08-303-025-11
14	50	40.3	29	1	US-08-303-025-13
15	50	40.3	29	1	US-08-677-304-10
16	50	40.3	29	1	US-08-677-304-11
17	50	40.3	29	1	US-08-436-703B-3
18	50	40.3	32	1	US-08-436-703B-15
19	50	40.3	32	1	US-08-152-488-13
20	50	40.3	32	1	US-08-303-025-15
21	50	40.3	32	1	US-08-677-304-13
22	50	40.3	32	1	US-08-436-703B-2
23	50	40.3	33	1	US-08-303-025-16
24	50	40.3	33	1	US-08-436-703B-4
25	50	40.3	79	2	US-10-177-725-16
26	50	40.3	79	2	US-10-177-725-20
27	50	40.3	79	2	US-10-177-725-66

28	50	40.3	79	2	US-10-177-725-70	Sequence 70, Appl
29	49	39.5	29	1	US-08-152-488-12	Sequence 12, Appl
30	49	39.5	29	1	US-08-303-025-14	Sequence 14, Appl
31	49	39.5	29	1	US-08-677-304-12	Sequence 12, Appl
32	49	39.5	29	1	US-08-436-703B-16	Sequence 16, Appl
33	49	39.5	928	2	US-09-134-000C-6590	Sequence 6590, Ap
34	47.5	38.3	100	2	US-09-732-210-745	Sequence 745, App
35	47.5	38.3	100	2	US-09-711-164-308	Sequence 308, App
36	47.5	38.3	100	2	US-09-492-709A-390	Sequence 390, App
37	47.5	38.3	174	1	US-08-261-825-2	Sequence 2, Appli
38	47.5	38.3	174	1	US-08-719-124-2	Sequence 2, Appli
39	47.5	38.3	174	4	PCT-US95-07748A-2	Sequence 2, Appli
40	47	37.9	393	2	US-09-248-796A-19608	Sequence 19608, A
41	46.5	37.5	45	2	US-09-405-743A-2	Sequence 2, Appli
42	46.5	37.5	45	2	US-09-816-989A-2	Sequence 2, Appli
43	46.5	37.5	104	2	US-09-489-039A-11042	Sequence 11042, A
44	46	37.1	86	2	US-10-177-725-19	Sequence 19, Appl
45	46	37.1	86	2	US-10-177-725-69	Sequence 69, Appl

ALIGNMENTS

RESULT 1
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAVOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-1

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Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 2
US-09-356-497-1
; Sequence 1, Application US/09356497
; Patent No. 6472519
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-356-497-1

Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 3
US-10-238-741-1
; Sequence 1, Application US/10238741
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; Patent No. 6949627
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/238,741
; FILING DATE: 09-No. 6949627-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/356,497
; FILING DATE: 19-Jul-1999
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-238-741-1

Query Match          93.5%; Score 116; DB 2; Length 64;
Best Local Similarity 92.0%; Pred. No. 6.8e-10;
Matches 23; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 HERAKNAYOKANQAVLKAKEASSYD 25

RESULT 4
US-08-416-711-2
; Sequence 2, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; BOUHAROUN-TAYOUN, HASNAQ
; OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
```

ADDRESSER: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/416,711
FILING DATE: 08-AUG-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR93/01024
FILING DATE: 18-OCT-1993
APPLICATION DATA: FR 92/12488
FILING DATE: 19-OCT-1992
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-085-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
US-08-416-711-2

Query Match 77.4%; Score 96; DB 2; Length 23;
Best Local Similarity 84.0%; Pred. No. 1.8e-07;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

QY 1 YEKAKNAYOKANOAVLKAKEASSYD 25
Db 1 HERAKNAYOKANOAVL--KEASSYD 23

RESULT 5
US-09-356-497-2
Sequence 2, Application US/09356497
Patent No. 6472519
GENERAL INFORMATION:
APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
OEUVRAY, CLAUDE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
PROTECTIVE ANTIBODIES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSER: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/356,497
FILING DATE: 19-Jul-1999

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/416,711
FILING DATE: 08-AUG-1995
APPLICATION NUMBER: PCT/FR93/01024
FILING DATE: 18-OCT-1993
APPLICATION NUMBER: FR 92/12488
FILING DATE: 19-OCT-1992
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-085-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-356-497-2

Query Match 77.4%; Score 96; DB 2; Length 23;
Best Local Similarity 84.0%; Pred. No. 1.8e-07;
Matches 21; Conservative 2; Mismatches 0; Indels 2; Gaps 1;

QY 1 YEKAKNAYOKANOAVLKAKEASSYD 25
Db 1 HERAKNAYOKANOAVL--KEASSYD 23

RESULT 6
US-10-238-741-2
Sequence 2, Application US/10238741
Patent No. 6949627
GENERAL INFORMATION:
APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
OEUVRAY, CLAUDE
TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
PROTECTIVE ANTIBODIES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSER: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/238,741
FILING DATE: 09-No. 6949627-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/356,497
FILING DATE: 19-Jul-1999
APPLICATION NUMBER: US/08/416,711
FILING DATE: 08-AUG-1995
APPLICATION NUMBER: PCT/FR93/01024
FILING DATE: 18-OCT-1993
APPLICATION NUMBER: FR 92/12488
FILING DATE: 19-OCT-1992
NAME: OBLON, NORMAN F.

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; ZIP: 48226-4415
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS v.6.22
; SOFTWARE: WordPerfect 6.1; ASCII (DOS) Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/303,025
; FILING DATE: 08-SEP-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/06829
; FILING DATE: 14-AUG-1992
; APPLICATION NUMBER: US 08/152,488
; FILING DATE: 12-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REFERENCE/DOCKET NUMBER: 7WH-060548-00231
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 313-496-7622
; TELEFAX: 313-496-8454
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: N/A
; PUBLICATION INFORMATION:
; AUTHORS: N/A
; TITLE: N/A
; DOCUMENT NUMBER: PCT/US92/08069
; FILING DATE: 14-AUG-1993
; US-08-303-025-12

Query Match 40.3%; Score 50; DB 1;
Best Local Similarity 52.4%; Pred. No. 1.1;
Matches 11; Conservative 5; Mismatches

Qy 2 EKAKNAYQKANQVLKAKGAS 22
   :| | | :| | :| | :| | :
Db 3 KKAKKAATKAKKAAKAKKAA 23

RESULT 9
US-08-436-703B-1
; Sequence 1, Application US/08436703B
; Patent No. 5919761
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; APPLICANT: Stanley, James C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR
; TITLE OF INVENTION: HEPARIN AND LOW MOLECULAR
; TITLE OF INVENTION: WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J, Rohm, Esq.
; STREET: 6601 Woodward Avenue
; STREET: Suite 1525
; CITY: Detroit
; STATE: Michigan
; COUNTRY: United States of America
; ZIP: 48226
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk 1.44Mb, 3.5"
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 6;
; SOFTWARE: ASCII (DOS)Text

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,703B
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: N/A
; FILING DATE: N/A
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: 7WK-060548-00233
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 313-965-1976
; TELEFAX: 313-965-1951
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: N/A
; PUBLICATION INFORMATION:
; AUTHORS: N/A
; TITLE: N/A
;
; US-08-436-703B-1
;
; Query Match 40.3%; Score 50; DB 1; Length 28;
; Best Local Similarity 52.4%; Pred. No. 1.1;
; Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
;
; Qy 2 EKAKNAVQKANQAVLKAKKAS 22
; Db 3 KKAKKAQKAKKAKKAKKAA 23
;
; RESULT 10
; US-08-152-488-10
; Sequence 10, Application US/08152488
; Patent No. 5534619
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J. Rohm, Esq.
; STREET: 512 Springfield Avenue
; CITY: Cranford
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07016-1811
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 6; ASCII (DOS)Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,488
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/08069
; FILING DATE: 14-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: RM-7WG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-276-3344
; TELEFAX: 908-276-5543
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
;
; US-08-152-488-10
;
; Query Match 40.3%; Score 50; DB 1; Length 29;
; Best Local Similarity 52.4%; Pred. No. 1.2;
; Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
;
; Qy 2 EKAKNAVQKANQAVLKAKKAS 22
; Db 7 KKAKKAQKAKKAKKAKKAA 27
;
; RESULT 11
; US-08-152-488-11
; Sequence 11, Application US/08152488
; Patent No. 5534619
; GENERAL INFORMATION:
; APPLICANT: Wakefield, Thomas W.
; APPLICANT: Andrews, Philip C.
; APPLICANT: Stanley, James C.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
; TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
; TITLE OF INVENTION: ANTICOAGULATION REVERSAL
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benita J. Rohm, Esq.
; STREET: 512 Springfield Avenue
; CITY: Cranford
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07016-1811
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 6; ASCII (DOS)Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,488
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/08069
; FILING DATE: 14-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rohm, Benita J.
; REGISTRATION NUMBER: 28,664
; REFERENCE/DOCKET NUMBER: RM-7WG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-276-3344
; TELEFAX: 908-276-5543
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: N/A
; TOPOLOGY: N/A
; MOLECULE TYPE: peptide
;
; US-08-152-488-10
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ORIGINAL SOURCE:
ORGANISM: N/A
PUBLICATION INFORMATION:
AUTHORS: N/A
TITLE: N/A

PUBLICATION INFORMATION:
DOCUMENT NUMBER: PCT/US92/08069
FILING DATE: 14-AUG-1993
US-08-152-488-11

Query Match 40.3%; Score 50; DB 1; Length 29;
Best Local Similarity 52.4%; Pred. No. 1.2;
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22
DB 7 KKAKKAACKKAKKAKKAKAA 27

RESULT 12

US-08-303-025-10
Sequence 10, Application US/08303025
Patent No. 5614494

GENERAL INFORMATION:
APPLICANT: Wakefield, Thomas W.
APPLICANT: Andrews, Philip C.
TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND
TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN
TITLE OF INVENTION: ANTICOAGULATION REVERSAL
NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Benita J. Rohm, Esq.
STREET: 150 West Jefferson, Suite 2500
CITY: Detroit

STATE: Michigan
COUNTRY: United States of America
ZIP: 48226-4415

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb

COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS v.6.22
SOFTWARE: Wordperfect 6.1; ASCII (DOS) Text
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/303,025
FILING DATE: 08-SEPT-1994
CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/06829
FILING DATE: 14-AUG-1992

APPLICATION NUMBER: US 08/152,488
FILING DATE: 12-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Rohm, Benita J.

REFERENCE/DOCKET NUMBER: 7WH-060548-00231

TELEPHONE: 313-496-7622

TELEFAX: 313-496-8454

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 29 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

AUTHORS: N/A

TITLE: N/A

DOCUMENT NUMBER: PCT/US92/08069

FILING DATE: 14-AUG-1993

US-08-303-025-10

Query Match 40.3%; Score 50; DB 1; Length 29;
Best Local Similarity 52.4%; Pred. No. 1.2;
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22
DB 7 KKAKKAACKKAKKAKKAKAA 27

RESULT 13

US-08-303-025-11
Sequence 11, Application US/08303025
Patent No. 5614494

GENERAL INFORMATION:

APPLICANT: Wakefield, Thomas W.

APPLICANT: Andrews, Philip C.

APPLICANT: Stanley, James C.

TITLE OF INVENTION: NOVEL PEPTIDES FOR HEPARIN AND

TITLE OF INVENTION: LOW MOLECULAR WEIGHT HEPARIN

TITLE OF INVENTION: ANTICOAGULATION REVERSAL

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Benita J. Rohm, Esq.

STREET: 150 West Jefferson, Suite 2500

CITY: Detroit

STATE: Michigan

COUNTRY: United States of America

ZIP: 48226-4415

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy diskette 3.5" 1.44Mb

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS-DOS v.6.22

SOFTWARE: Wordperfect 6.1; ASCII (DOS) Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/303,025

FILING DATE: 08-SEPT-1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/06829

FILING DATE: 14-AUG-1992

APPLICATION NUMBER: US 08/152,488

FILING DATE: 12-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Rohm, Benita J.

REFERENCE/DOCKET NUMBER: 7WH-060548-00231

TELEPHONE: 313-496-7622

TELEFAX: 313-496-8454

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 29 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: N/A

MOLECULE TYPE: peptide

ORIGINAL SOURCE:

ORGANISM: N/A

PUBLICATION INFORMATION:

AUTHORS: N/A

TITLE: N/A

DOCUMENT NUMBER: PCT/US92/08069

FILING DATE: 14-AUG-1993

US-08-303-025-11

Query Match 40.3%; Score 50; DB 1; Length 29;
Best Local Similarity 52.4%; Pred. No. 1.2;
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 2 EKAKNAYOKANOAVLKAKKAS 22
DB 7 KKAKKAACKKAKKAKKAKAA 27

US-08-303-025-10

Search completed: November 22, 2005, 20:26:17
Job time : 16.7025 secs

APPLICANT: Andrews, Philip C.

Page 10 of 10